



## **RESTRICTED LIST** Personal care products

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
1-(2,4,4-Trimethyl-1-cyclohex en-1-yl)-2-buten-1-one	Rose ketones	70266-48 -7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
1-(2,4,4-Trimethyl-1-cyclohex en-1-yl)-2-buten-1-one	Rose ketones	70266-48 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
1-(3,4-DIMETHOXYPHENYL)- 4,4-DIMETHYL-1,3-PENTA NEDIENE	134DIMETHOXYPHENYL44 DIMETHYL13PENTANEDIO NE	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 7% in rinseoff products (not applied to mucosa).	
1-(3,4-DIMETHOXYPHENYL)- 4,4-DIMETHYL-1,3-PENTA NEDIENE	134DIMETHOXYPHENYL44 DIMETHYL13PENTANEDIO NE	0	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
1-(3,4-DIMETHOXYPHENYL)- 4,4-DIMETHYL-1,3-PENTA NEDIENE	134DIMETHOXYPHENYL44 DIMETHYL13PENTANEDIO NE	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 7% in leaveon products (not applied to mucosa).	
1-ACETOXY-2-METHYLNAPHT HALENE	1ACETOXY2METHYLNAPHT HALENE	5697-02- 9	The European Commission restricts this ingredient to a maximum concentration of 2.0% applied to hair after mixing under oxidative conditions in oxidative hair dye products. When both 2Methyl1Naphthol and 1Acetoxy2Methylnaphthalene are present in a hair dye formulation, the maximum concentration on the head of 2Methyl1Naphthol should not exceed 2.0%.	
1-AZIRIDINEPROPANOIC ACID, 2-METHYL-, 2-ETHYL-2-((3-(2-METHYL-1-A ZIRIDINYL)-1-OXOPROPYL)	Polyfunctional aziridine	64265-57 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
1-BENZOPYRYLIUM, 3,5,7-TRIHYDROXY-2-(3,4,5-T RIHYDROXYPHENYL)-, CHLORIDE	1-BENZOPYRYLIUM, 3,5,7-TRIHYDROXY-2-(3,4,5 -TRIHYDROXYPHENYL)-, CHLORIDE	528-53-0	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E163)	
1-BENZOPYRYLIUM, 3,5,7-TRIHYDROXY-2-(4-HYD ROXYPHENYL)-, CHLORIDE	1-BENZOPYRYLIUM, 3,5,7-TRIHYDROXY-2-(4-HY DROXYPHENYL)-, CHLORIDE	134-04-3	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E163)	
1-HEXANOL, 2-ETHYL-, TETRAESTER WITH SILICIC ACID	Silica, amorphous; silicate; borosilicate	115-82-2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
1-HEXANOL, 2-ETHYL-, TETRAESTER WITH SILICIC ACID	Silica, amorphous; silicate; borosilicate	115-82-2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

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1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE	1-HYDROXYETHYL 4,5-DIAMINO PYRAZOLE SULFATE	155601-3 0-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
1-METHYL-4-METHYLVINYL- CYCLOHEXENE	1METHYL4METHYLVINYLC YCLOHEXENE	7705-14- 8	The European Commission restricts this ingredient's peroxide content to less than 20 mmoles/L. Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
1-METHYL-4-METHYLVINYL- CYCLOHEXENE	Dipentene (R)-p- mentha-1,8-diene; (d-limonene); (S)-p- mentha-1,8-diene; (l-limonene);	7705-14- 8	The presence of the substance shall be indicated in the list of ingredients when its concentration exceeds, 0.001% in leave-on products, 0.01% in rinse-off products. The peroxide value for each substance shall be less than 20 mmoles/L	
1-NAPHTHOL	1-NAPHTHOL	90-15-3	Per European restrictions, prohibited for use in hair dye products.	
1-NAPHTHOL	1Naphthol	90-15-3	The European Commission restricts this ingredient to a maximum concentration of 2% (or 1% calculated as free base) applied to hair after mixing under oxidative conditions in oxidative hair dye products. Required Warning: The European Commission requires the following on the product label/package: 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced a reaction to a temporary 'black henna' tattoo in the past.'	
1-NAPHTHOL	1Naphthol	90-15-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3% in heir coloring products	
1-NAPHTHOL	1NAPHTHOL	90-15-3	Health Canada restricts the use of this ingredient to oxidizing coloring agents with a maximum concentration of 2% in hair dyes. When combined with hydrogen peroxide, the maximum concentration is 1%.	
1-PHENANTHRENEBUTANOI C ACID, 1,4,4A,4B,5,6,7,8,8A,9,10,10A- DODECAHYDRO-6-((3-O-(2-	Silica, amorphous; silicate; borosilicate	211108-4 6-2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
1-PHENANTHRENEBUTANOI C ACID, 1,4,4A,4B,5,6,7,8,8A,9,10,10A- DODECAHYDRO-6-((3-O-(2-	Silica, amorphous; silicate; borosilicate	211108-4 6-2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
1-TRIMETHYL-2-CYCLOHEXE NYL-1-PENTEN-3-ONE	Methyl ionone, mixed isomers	7779-30- 8	The International Fragrance Association restricts this ingredient to a maximum concentration of 2% in lip products, 2.59% in deodorants/antiperspirants, 10.56% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 31.67% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 16.67% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 50.72% in mouthwashes, breath sprays, and toothpastes, 5.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

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1-TRIMETHYL-2-CYCLOHEXE NYL-1-PENTEN-3-ONE	Methyl ionone, mixed isomers	7779-30- 8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 5.4% Category 2) 1.6% Category 3) 32% Category 4) 30% Category 5A) 7.6% Category 5B) 7.6% Category 5C) 7.6% Category 5D) 7.6% Category 6) 18% Category 7A) 61% Category 7B) 61% Category 8) 3.2% Category 9) 59% Category 10A) 100% Category 10B) 100% Category 11A) 100% Category 11B) 100% Category 12) No Restriction; A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	
1,10-DECANEDIOL	1,10-DECANEDIOL	112-47-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
1,2-HEXANEDIOL	1,2Hexanediol	6920-22- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
1,2,3,4,5,6,7,8-OCTAHYDRO-2, 3,8,8-TETRAMETHYL-2-NAPH THYL-ETHANONE	1,2,3,4,5,6,7,8-OCTAHYDRO- 2,3,8,8-TETRAMETHYL-2-NA PHTHYL-ETHANONE	54464-57 -2	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
1,2,3,4,5,6,7,8-OCTAHYDRO-2, 3,8,8-TETRAMETHYL-2-NAPH THYL-ETHANONE	1(1,2,3,4,5,6,7,8 Octahydro2,3,8,8tetrameth yl2naphthalenyl) ethanone	54464-57 -2	The International Fragrance Association restricts this ingredient to a maximum concentration of 1.34% in lip products, 1.73% in deodorants/antiperspirants, 7.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 21.4% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 11.2% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 34.2% in mouthwashes, breath sprays, and toothpastes, 3.6% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
1,2,3,4,5,6,7,8-OCTAHYDRO-2, 3,8,8-TETRAMETHYL-2-NAPH THYL-ETHANONE	1(1,2,3,4,5,6,7,8 Octahydro2,3,8,8tetrameth yl2naphthalenyl) ethanone (OTNE)	54464-57 -2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.41% Category 2) 1.1% Category 3) 0.41% Category 4) 20% Category 5A) 5.1% Category 5B) 0.56% Category 5C) 0.76% Category 5D) 0.19% Category 6) 0.0093% Category 7A) 0.67% Category 7B) 0.67% Category 8) 0.19% Category 9) 2.4% Category 10A) 2.4% Category 10B) 6.6% Category 11A) 0.19% Category 11B) 0.19% Category 12) No Restriction	
1,2,3,4,5,6,7,8α-OCTAHYDRO- 2,3,8,8-TETRAMETHYL-2-NAP HTHYL-ETHANONE	1(1,2,3,4,5,6,7,8 Octahydro2,3,8,8tetrameth yl2naphthalenyl) ethanone (OTNE)	68155-67 -9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.41% Category 2) 1.1% Category 3) 0.41% Category 4) 20% Category 5A) 5.1% Category 5B) 0.56% Category 5C) 0.76% Category 5D) 0.19% Category 6) 0.0093% Category 7A) 0.67% Category 7B) 0.67% Category 8) 0.19% Category 9) 2.4% Category 10A) 2.4% Category 10B) 6.6% Category 11A) 0.19% Category 11B) 0.19% Category 12) No Restriction	
1,2,3,5,6,7,8,8α-ΟCTAHYDRO- 2,3,8,8-TETRAMETHYL-2-NAP HTHYL-ETHANONE	1(1,2,3,4,5,6,7,8 Octahydro2,3,8,8tetrameth yl2naphthalenyl) ethanone (OTNE)	68155-66 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.41% Category 2) 1.1% Category 3) 0.41% Category 4) 20% Category 5A) 5.1% Category 5B) 0.56% Category 5C) 0.76% Category 5D) 0.19% Category 6) 0.0093% Category 7A) 0.67% Category 7B) 0.67% Category 8) 0.19% Category 9) 2.4% Category 10A) 2.4% Category 10B) 6.6% Category 11A) 0.19% Category 11B) 0.19% Category 12) No Restriction	
1,2,4-TRIHYDROXYBENZENE	1,2,4-TRIHYDROXYBENZEN E	533-73-3	The EU prohibits this substance in hair dyes.	
1,2,4-TRIHYDROXYBENZENE	1,2,4-TRIHYDROXYBENZEN E	533-73-3	This substance must contain <0.1% hydroquinone based on the European Commission SCCS Opinion 1598/18.	
1,3-BIS-(2,4-DIAMINOPHEN OXY) PROPANE HCL	1,3-BIS-(2,4-DIAMINOPHE NOXY) PROPANE HCL	74918-21 -1	Per European restrictions, prohibited for use in hair dye products.	

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1,3-BIS-(2,4-DIAMINOPHEN OXY) PROPANE HCL	1,3Bis(2,4diaminophenoxy) Propane HCl	74918-21 -1	The European Commission restricts this ingredient to a maximum concentration of 1.2% calculated as free base (1.8% as tetrahydrochloride salt) applied to hair after mixing under oxidative conditions in oxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: The mixing ratio; 'Hair colorants can cause severe alleraic reactions.'	
1,3-BIS-(2,4-DIAMINOPHEN OXY)PROPANE	1,3-BIS-(2,4-DIAMINOPHE NOXY)PROPANE	81892-72 -0	Per European restrictions, prohibited for use in hair dye products.	
1,3-BIS-(2,4-DIAMINOPHEN OXY)PROPANE	1,3BIS(2,4DIAMINOPHENO XY)PROPANE	81892-72 -0	The European Commission restricts this ingredient to a maximum concentration of 1.2% calculated as free base (1.8% as tetrahydrochloride salt) applied to hair after mixing under oxidative conditions in oxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'	
1,3-BIS-(2,4-DIAMINOPHEN OXY)PROPANE	4,4'-[1,3-Propanediylbis(ox y)]bisbenzene-1,3-diamine and its tetrahydrochloride salt	81892-72 -0	The European Commission restricts this ingredient to a maximum concenttration of 1.2% as free base in hair dye substances in non-oxidative hair dye products.	
1,3-ISOBENZOFURANDIONE, HEXAHYDRO-	Hexahydrophthalic Anhydride	85-42-7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
1,3-ISOBENZOFURANDIONE, HEXAHYDRO-	Hexahydrophthalic Anhydride	85-42-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
1,3,4-THIADIAZOLE, 2-ACETAMIDO-	1,3,4-THIADIAZOLE, 2-ACETAMIDO-	5393-55- 5	Per European restrictions, prohibited for use in hair dye products.	
1,5-NAPHTHALENEDIOL	1,5-NAPHTHALENEDIOL	83-56-7	Per European restrictions, prohibited for use in hair dye	
1,5-NAPHTHALENEDIOL	1,5NAPHTHALENEDIOL	83-56-7	The European Commission restricts this ingredient to a maximum concentration of 1.0% applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 1.0% in nonoxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colourants can cause severe alleraic reactions'; 'Read and follow instructions'	
1,5-PENTANEDIOL	1,5-PENTANEDIOL	111-29-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
1,7,7-Trimethylbicyclo[2.2.1]he ptan-2-one	Bornan-2-one; 1,7,7-Trimethylbi- cyclo[2.2.1]- 2-heptanone	76-22-2	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
1,7,7-Trimethylbicyclo[2.2.1]he ptan-2-one	CAMPHOR	76-22-2	Health Canada restricts this ingredient to a maximum concentration of 3%.	
10-HYDROXYDECANOIC ACID	10-HYDROXYDECANOIC ACID	1679-53- 4	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.1%	
1H-PYRROLE-1-HEPTANOIC ACID, BETA,DELTA-DIHYDROXY-2-( 4-FLUOROPHENYL)-5-(1-MET HYLETHYL)-3-	1H-PYRROLE-1-HEPTANOI C ACID, BETA,DELTA-DIHYDROXY-2 -(4-FLUOROPHENYL)-5-(1- METHYLETHYL)-3-	134523-0 3-8	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
2-ACETONAPHTHONE	Methyl $\beta$ naphthyl ketone	93-08-3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in leaveon products	
2-ACETONAPHTHONE	Methyl βnaphthyl ketone	93-08-3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.20% Category 2) 0.20% Category 3) 0.20% Category 4) 0.20% Category 5A) 0.20% Category 5B) 0.20% Category 5C) 0.20% Category 5D) 0.20% Category 6) 0.20% Category 7A) no restriction Category 7B) 0.20% Category 8) 0.20% Category 9) no restriction Category 10A) no restriction Category 10B) 0.20% Category 11A) no restriction Category 11B) 0.20% Category 12) no restriction	

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2-AMINO-3-HYDROXYPYRID INE	2-AMINO-3-HYDROXYPYRI DINE	16867-03 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
2-AMINO-3-HYDROXYPYRID INE	2-AMINO-3-HYDROXYPYRI DINE	16867-03 -1	Per European restrictions, prohibited for use in hair dye products.	
2-AMINO-3-HYDROXYPYRID INE	2AMINO3HYDROXYPYRIDI NE	16867-03 -1	The European Commission restricts this ingredient to a maximum concentration of 1.0% applied to hair after mixing under oxidative conditions in hair dye products. Required Warning: The European Commission requires the following on the product label/package: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'	
2-AMINO-6-CHLORO-4-NITR OPHENOL HYDROCHLORIDE	2-AMINO-6-CHLORO-4-NIT ROPHENOL HYDROCHLORIDE	0	The Cosmetic Ingredient Review concludes this ingredient is safe for use in hair dye formulations at concentrations of up to 2.0%.	
2-AMINOBUTANOL	2AMINOBUTANOL	96-20-8	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
2-Buten-1-one, 1-(2,2-dimethyl-6-methylenec yclohexyl)-	Rose ketones	35087-49 -1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2-Buten-1-one, 1-(2,2-dimethyl-6-methylenec yclohexyl)-	Rose ketones	35087-49 -1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	

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2-Buten-1-one, 1-(2,6,6-trimethyl-1-cyclohexe n-1-yl)-	Rose ketones	35044-68 -9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2-Buten-1-one, 1-(2,6,6-trimethyl-1-cyclohexe n-1-yl)-	Rose ketones	35044-68 -9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
2-BUTEN-1-ONE, 1-(2,6,6-TRIMETHYL-1,3-CYCL OHEXADIEN-1-YL)-,	Rose ketones	23726-93- 4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2-BUTEN-1-ONE, 1-(2,6,6-TRIMETHYL-1,3-CYCL OHEXADIEN-1-YL)-,	Rose ketones	23726-93- 4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
2-CHLORO-6-ETHYLAMINO-4 -NITROPHENOL	2-CHLORO-6-ETHYLAMINO -4-NITROPHENOL	131657-7 8-8	Per European restrictions, prohibited for use in hair dye products.	
2-CHLORO-6-ETHYLAMINO-4 -NITROPHENOL	Secondary and Tertiary Aromatic Amines (Aniline)	131657-7 8-8	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
2-CHLORO-6-ETHYLAMINO-4 -NITROPHENOL	Secondary and Tertiary Aromatic Amines (Nitrosamine)	131657-7 8-8	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	x

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
2-Cyclopenten-1-one, 3-methyl-2-(pentyloxy)-	3Methyl2(pentyloxy)cyclop ent2en1one	68922-13 -4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.17% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.26% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.11% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2-Cyclopenten-1-one, 3-methyl-2-(pentyloxy)-	3Methyl2(pentyloxy)cyclop ent2en1one	68922-13 -4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.085% Category 2) 0.025% Category 3) 0.51% Category 4) 0.47% Category 5A) 0.12% Category 5B) 0.12% Category 5C) 0.12% Category 5D) 0.12% Category 6) 0.28% Category 7A) 0.96% Category 7B) 0.96% Category 8) 0.050% Category 9) 0.92% Category 10A) 3.3% Category 10B) 3.3% Category 11A) 1.8% Category 11B) 1.8% Category 12) No Restriction	
2-HEPTYLIDENECYCLOPENT ANONE	2Heptylidene cyclopentan1one	39189-74 -7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.15% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.45% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.24% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.72% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.01% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2-HEPTYLIDENECYCLOPENT ANONE	2Heptylidene cyclopentan1one	39189-74 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077 % Category 2) 0.023 % Category 3) 0.46 % Category 4) 0.43 % Category 5A) 0.11 % Category 5B) 0.11 % Category 5C) 0.11 % Category 5D) 0.11 % Category 6) 0.25 % Category 7A) 0.88 % Category 7B) 0.88 % Category 8) 0.045 % Category 9) 0.84 % Category 10A) 3.0 % Category 10B) 3.0 % Category 11A) 1.7 % Category 11B) 1.7 % Category 12) No Restriction	
2-HEXYLIDENECYCLOPENTA NONE	2HEXYLIDENECYCLOPENT ANONE	17373-89- 6	The European Commission restricts this ingredient to a maximum concentration of 0.06% in nonoral products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
2-HEXYLIDENECYCLOPENTA NONE	αHexylidene cyclopentanone	17373-89- 6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.01% in deodorants/antiperspirants, 0.05% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.06% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.06% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.2% in mouthwashes, breath sprays, and toothpastes, 0.02% in intimate wipes, and baby wipes, 0.06% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2-HEXYLIDENECYCLOPENTA NONE	αHexylidene cyclopentanone	17373-89- 6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.023 % Category 2) 0.0069 % Category 3) 0.14 % Category 4) 0.13 % Category 5A) 0.033 % Category 5B) 0.033 % Category 5C) 0.033 % Category 5D) 0.033 % Category 6) 0.076 % Category 7A) 0.26 % Category 7B) 0.26 % Category 8) 0.014 % Category 9) 0.25 % Category 10A) 0.90 % Category 10B) 0.90 % Category 11A) 0.50 % Category 11B) 0.50 % Category 12) No Restriction	
2-HYDROXYETHYLAMINO-5- NITROANISOLE	2-HYDROXYETHYLAMINO- 5-NITROANISOLE	66095-81 -6	Per European restrictions, prohibited for use in hair dye products.	
2-HYDROXYETHYLAMINO-5- NITROANISOLE	Secondary and Tertiary Aromatic Amines (Aniline)	66095-81 -6	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
2-HYDROXYETHYLAMINO-5- NITROANISOLE	Secondary and Tertiary Aromatic Amines (Nitrosamine)	66095-81 -6	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	х
2-METHOXY-p-CRESOL	2METHOXY4METHYLPHEN OL	93-51-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.01% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.01% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.01% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.09% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.01% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2-METHOXY-p-CRESOL	2METHOXY4METHYLPHEN OL 2-METHYL-1-NAPHTHOL	93-51-6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0085% Category 2) 0.0025% Category 3) 0.051% Category 4) 0.047% Category 5A) 0.012% Category 5B) 0.012% Category 5C) 0.012% Category 5D) 0.012% Category 6) 0.028% Category 7A) 0.096% Category 7B) 0.096% Category 8) 0.0050% Category 9) 0.092% Category 10A) 0.33% Category 10B) 0.33% Category 11A) 0.18% Category 11B) 0.18% Category 12) No Restriction Per European restrictions, prohibited for use in hair dve	
		4	products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
2-METHYL-1-NAPHTHOL	2METHYL1NAPHTHOL	7469-77- 4	The European Commission restricts this ingredient to a maximum concentration of 2.0% applied to hair after mixing under oxidative conditions in oxidative hair dye products. When both 2Methyl1Naphthol and 1Acetoxy2Methylnaphthalene are present in a hair dye formulation, the maximum concentration on the head of 2Methyl1Naphthol should not exceed 2.0%. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colorants can cause severe allergic reactions'	
2-METHYL-5-HYDROXYETHY	2-METHYL-5-HYDROXYETH	55302-96 -0	Per European restrictions, prohibited for use in hair dye	
2-METHYL-5-HYDROXYETHY LAMINOPHENOL	Secondary and Tertiary Aromatic Amines (Aniline)	55302-96 -0	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
2-METHYL-5-HYDROXYETHY LAMINOPHENOL	Secondary and Tertiary Aromatic Amines (Nitrosamine)	55302-96 -0	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
2-METHYLRESORCINOL	2-METHYLRESORCINOL	608-25-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
2-METHYLRESORCINOL	2-METHYLRESORCINOL	608-25-3	Per European restrictions, prohibited for use in hair dye products.	
2-METHYLRESORCINOL	2METHYL RESORCINOL	608-25-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
2-METHYLRESORCINOL	2METHYLRESORCINOL	608-25-3	The European Commission restricts this ingredient to a maximum concentration of 1.8% applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 1.8% in nonoxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colourants can cause severe allergic reactions'; 'Read and follow instructions'	
2-NAPHTHALENECARBOXYLI C ACID, 4-((5-CHLORO-4-METHYL-2-S ULFOPHENYL)AZO)-3-HYDR OXY-,BARIUM SALT	Red BBN	7585-41- 3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
2-NAPHTHALENESULFONIC ACID, 5,7-DINITRO-8-HYDROXY-	2-NAPHTHALENESULFONI C ACID, 5,7-DINITRO-8-HYDROXY-	483-84-1	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
2-NONYN-1-AL DIMETHYLACETAL	2Nonyn1al dimethyl acetal	13257-44 -8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.66% in lip products, 0.84% in deodorants/antiperspirants, 3.47% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 10.41% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 5.48% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 16.67% in mouthwashes, breath sprays, and toothpastes, 1.74% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
2-NONYN-1-AL DIMETHYLACETAL	2Nonyn1al dimethyl acetal	13257-44 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 1.8 % Category 2) 0.53 % Category 3) 11 % Category 4) 9.9 % Category 5A) 2.5 % Category 5B) 2.5 % Category 5C) 2.5 % Category 5D) 2.5 % Category 6) 5.8 % Category 7A) 20 % Category 7B) 20 % Category 8) 1.0 % Category 7A) 20 % Category 7B) 20 % Category 8) 1.0 % Category 9) 19 % Category 10A) 69 % Category 10B) 69 % Category 11A) 38 % Category 11B) 38 % Category 12) No Restriction	
2-OLEAMIDO-1,3-OCTADECA NEDIOL	2-OLEAMIDO-1,3-OCTADEC ANEDIOL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
2-PICOLINIUM, 1-((4-AMINO-2-PROPYL-5-PY RIMIDINYL)METHYL)-, CHLORIDE, MONOHYDROCHLORIDE	Amprolium	137-88-2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
2-PYRIDINECARBOXYLIC ACID, 5-((3-CHLOROPROPYL)THIO) -, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,	TOCOPHERYL ACETATE	85446-89 -5	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(2-PROPENYLTHIO)-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-90 -8	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(3,4-DIBROMOBUTYL)-, 3,4-DIHYDRO-2,5-2,5,7,8-TET RAMETHYL-2-(4,8,	TOCOPHERYL ACETATE	85446-72 -6	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(3,4-DICHLOROBUTYL)-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-73 -7	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(4-BROMOBUTYL)-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-74 -8	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(4-CHLOROBUTOXY)-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-82 -8	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(4-CHLOROPHENOXY)-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-83 -9	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(4-HYDROXYBUTYL)-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-77 -1	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(BUTYLTHIO)-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-84 -0	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-(PHENYLMETHYL)-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-76 -0	This ingredient should not contain detectable levels of hydroquinone.	
2-PYRIDINECARBOXYLIC ACID, 5-BUTYL-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	85446-70 -4	This ingredient should not contain detectable levels of hydroquinone.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
2,3-DIHYDRO-2,2,6-TRIMETH YLBENZALDEHYDE	2,6,6Trimethylcyclohex1,3di enyl methanal	116-26-7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.01% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.01% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.02% in mouthwashes, breath sprays, and toothpastes, 0% in intimate wipes, and baby wipes, 0.01% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2,3-DIHYDRO-2,2,6-TRIMETH YLBENZALDEHYDE	2,6,6Trimethylcyclohex1,3di enyl methanal	116-26-7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0022 % Category 2) 0.00066 % Category 3) 0.013 % Category 4) 0.012 % Category 5A) 0.0032 % Category 5B) 0.0032 % Category 5C) 0.0032 % Category 5D) 0.0032 % Category 6) 0.0073 % Category 7A) 0.025 % Category 7B) 0.025 % Category 8) 0.0013 % Category 9) 0.024 % Category 10A) 0.087 % Category 10B) 0.087 % Category 11A) 0.048 % Category 11B) 0.048 % Category 12) No Restriction	
2,4-DIAMINOPHENOL HCL	2,4-DIAMINOPHENOL HCL	137-09-7	Per European restrictions, prohibited for use in hair dye products.	
2,4-DIAMINOPHENOL HCL	2,4-DIAMINOPHENOL HCL	137-09-7	Per European restrictions, prohibited for use in hair dye products.	
2,4-DIAMINOPHENOL HCL	2,4DIAMINOPHENOL HCL	137-09-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2% as the free base.	
2,4-DIMETHYL-3-CYCLOHEXE NE CARBOXALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	68039-49 -6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.17% in lip products, 0.22% in deodorants/antiperspirants, 0.89% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.45% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2,4-DIMETHYL-3-CYCLOHEXE NE CARBOXALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	68039-49 -6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.45% Category 2) 0.14% Category 3) 2.7% Category 4) 2.5% Category 5A) 0.64% Category 5B) 0.64% Category 5C) 0.64% Category 5D) 0.64% Category 6) 1.5% Category 7A) 5.2% Category 7B) 5.2% Category 8) 0.27% Category 9) 4.9% Category 10A) 18% Category 10B) 18% Category 11A) 9.8% Category 11B) 9.8% Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
2,4,6-TRIMETHYL-3-CYCLOHE XENECARBALDEHYDE	ISOCYCLOCITRAL	1423-46-7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.3% in deodorants/antiperspirants, 1.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 3.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 5.1% in mouthwashes, breath sprays, and toothpastes, 0.5% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid scap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
2,4,6-TRIMETHYL-3-CYCLOHE XENECARBALDEHYDE	ISOCYCLOCITRAL	1423-46- 7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 3.2 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.76 % Category 5C) 0.76 % Category 5D) 0.76 % Category 6) 1.8 % Category 5C) 7A) 6.1 % Category 7B) 6.1 % Category 8) 0.32 % Category 9) 5.9 % Category 10A) 21 % Category 10B) 21 % Category 11A) 12 % Category 11B) 12 % Category 12) No Restriction	
2,6-DIHYDROXYETHYLAMIN OTOLUENE	2,6-DIHYDROXYETHYLAMI NOTOLUENE	0	Per European restrictions, prohibited for use in hair dye products.	
2,6-DIHYDROXYETHYLAMIN OTOLUENE	2,6DIHYDROXYETHYLAMI NOTOLUENE	0	The European Commission restricts this ingredient to a maximum concentration of 5% (calculated as free base) applied to hair after mixing under oxidative conditions.	
2,6-DIMETHOXY-3,5-PYRIDI NEDIAMINE HCL 2,6-DIMETHOXY-3,5-PYRIDI NEDIAMINE HCL	2,6-DIMETHOXY-3,5-PYRID INEDIAMINE HCL 2,6DIMETHOXY3,5PYRIDIN EDIAMINE HCL	56216-28 -5 56216-28 -5	Per European restrictions, prohibited for use in hair dye products. The European Commission restricts this ingredient to a maximum concentration of 0.25% (as hydrochloride) applied to hair after mixing under oxidative conditions in oxidative hair dye products. Required Warning: The European Commission requires the following warning	
			text on the product label/package: 'Can cause allergic reaction.'	
2,7-NAPHTHALENEDIOL	2,7-NAPHTHALENEDIOL	582-17-2	Per European restrictions, prohibited for use in hair dye products.	
2,7-NAPHTHALENEDIOL	2,7NAPHTHALENEDIOL	582-17-2	The European Commission restricts this ingredient to a maximum concentration of 1.0% applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 1.0% in nonoxidative hair dye products. Required Warning: The European Commission requires the following on the product label/package of oxidative hair dyes: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'	
2,8,9-1RIOXA-5-AZA-1-SILAB ICYCLO(3.3.3)UNDECANE, 1-ETHOXY-	Silica, amorphous; silicate; borosilicate	5465-21- 6	A 2019 CTR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CTR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
2,8,9-TRIOXA-5-AZA-1-SILAB ICYCLO(3.3.3)UNDECANE, 1-ETHOXY-	Silica, amorphous; silicate; borosilicate	3463-21- 6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
3-AMINO-2,4-DICHLOROPHE NOL	3AMINO2,4DICHLOROPHE NOL	61693-42 -3	The European Commission restricts this ingredient to a maximum concentration of 1.5% (as hydrochloride) applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 1.5% (as hydrochloride) in nonoxidative hair dye products. Required Warning: The European Commission requires the following on the product label/package of oxidative hair dyes: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'	
3-AMINO-2,4-DICHLOROPHE NOL	3AMINO2,4DICHLOROPHE NOL	61693-42 -3		
3-AMINO-2,4-DICHLOROPHE NOL HCL	3-AMINO-2,4-DICHLOROP HENOL HCL	61693-43 -4	Per European restrictions, prohibited for use in hair dye products.	
3-AMINO-2,4-DICHLOROPHE NOL HCL	3AMINO2,4DICHLOROPHE NOL HCL	61693-43 -4	The European Commission restricts this ingredient to a maximum concentration of 1.5% (as hydrochloride) applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 1.5% (as hydrochloride) in nonoxidative hair dye products. Required Warning: The European Commission requires the following on the product label/package of oxidative hair dyes: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'	
3-Buten-2-ol, 4-phenyl-	4PHENYL3BUTEN2OL	17488-65 -2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.22 % Category 2) 0.066 % Category 3) 1.3 % Category 4) 1.2 % Category 5A) 0.32 % Category 5B) 0.32 % Category 5C) 0.32 % Category 5D) 0.32 % Category 6) 0.73 % Category 7A) 2.5 % Category 7B) 2.5 % Category 8) 0.13 % Category 9) 2.4 % Category 10A) 8.7 % Category 10B) 8.7 % Category 11A) 4.8 % Category 11B) 4.8 % Category 12) No Restriction	
3-CARENE	3CARENE	13466-78 -9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
3-CARENE	Carene	13466-78 -9	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
3-CARENE	Carene	13466-78 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
3-CYCLOPENTENE-BUTANOL, B-2,2,3-TETRAMETH-METHYL ENE	3-CYCLOPENTENE-BUTAN OL,B-2,2,3-TETRAMETH-ME THYLENE	104864-9 0-6	Table 1 of the RIFM fragrance ingredient safety assessment (Api et al. 2021) for this ingredient lists. Maximum Acceptable Concentrations in Finished Products Based on Non-reactive DST	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
3-ISOCYANATOMETHYL-3,5,5 -TRIMETHYLCYCLOHEXYL ISOCYANATE	Isophorone Diisocyanate	4098-71- 9	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
3-ISOCYANATOMETHYL-3,5,5 -TRIMETHYLCYCLOHEXYL ISOCYANATE	Isophorone Diisocyanate	4098-71- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
3-METHYL BUTYL ACETATE	Isoamyl acetate	123-92-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
3-METHYL-5-(2,2,3-TRIMETHY L-3-CYCLOPENTENYL)PENT-4 -EN-2-OL	3-Methyl- 5-(2,2,3-Trimethyl- 3-Cyclopentenyl) pent-4-en-2-ol	67801-20 -1	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
3-METHYLAMINO-4-NITROP HENOXYETHANOL	3-METHYLAMINO-4-NITRO PHENOXYETHANOL	59820-63 -2	Per European restrictions, prohibited for use in hair dye products.	
3-METHYLAMINO-4-NITROP HENOXYETHANOL	Secondary and Tertiary Aromatic Amines (Aniline)	59820-63 -2	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
3-METHYLAMINO-4-NITROP HENOXYETHANOL	Secondary and Tertiary Aromatic Amines (Nitrosamine)	59820-63 -2	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
3-NITRO-P-HYDROXYETHYL AMINOPHENOL	3-NITRO-P-HYDROXYETHY LAMINOPHENOL	65235-31- 6	Per European restrictions, prohibited for use in hair dye products.	
3-NITRO-P-HYDROXYETHYL AMINOPHENOL	Secondary and Tertiary Aromatic Amines (Aniline)	65235-31- 6	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
3-NITRO-P-HYDROXYETHYL AMINOPHENOL	Secondary and Tertiary Aromatic Amines (Nitrosamine)	65235-31- 6	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
3-p-CUMENYL PROPIONALDEHYDE	Substances metabolized to 4-iPBA	7775-00- 0	This substance has a similar toxic metabolite as lilial and has been proposed for harmonised classification and labelling (CLH) as reprotox 1B, therefore they are restricted to 0.01% in the final product.	
3-PHENYLBUTYRALDEHYDE	3Phenylbutanal	16251-77- 7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.17% in lip products, 0.22% in deodorants/antiperspirants, 0.89% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.45% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
3-PHENYLBUTYRALDEHYDE	3Phenylbutanal	16251-77- 7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.17 % Category 2) 0.069 % Category 3) 0.023 % Category 4) 0.44 % Category 5A) 0.24 % Category 5B) 0.023 % Category 5C) 0.034 % Category 5D) 0.0076 % Category 6) 0.011 % Category 7A) 0.023 % Category 7B) 0.023 % Category 8) 0.0076 % Category 9) 0.080 % Category 10A) 0.080 % Category 10B) 0.36 % Category 11A) 0.0076 % Category 11B) 0.0076 % Category 12) 9.6 %	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
3-THUJANONE, (1S,4S,5R)-(+)-	Thujone	471-15-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.21 % Category 3) 0.032 % Category 4) 1.4 % Category 5A) 0.095 % Category 5B) 0.032 % Category 5C) 0.016 % Category 5D) 0.0053 % Category 6) 0.095 % Category 7A) 0.24 % Category 7B) 0.24 % Category 8) 0.0053 % Category 9) 0.13 % Category 10A) 0.13 % Category 10B) 0.22 % Category 11A) 0.0053 % Category 11B) 0.0053 % Category 12) 9.5 %	
3-THUJANONE, (1S,4S,5R)-(+)-	Thujone	471-15-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.21 % Category 3) 0.032 % Category 4) 1.4 % Category 5A) 0.095 % Category 5B) 0.032 % Category 5C) 0.016 % Category 5D) 0.0053 % Category 6) 0.095 % Category 7A) 0.24 % Category 7B) 0.24 % Category 8) 0.0053 % Category 9) 0.13 % Category 10A) 0.13 % Category 10B) 0.22 % Category 11A) 0.0053 % Category 11B) 0.0053 % Category 12) 9.5 %	
3-THUJANONE, (1S,4S,5R)-(+)-	Thujone	471-15-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.21 % Category 3) 0.032 % Category 4) 1.4 % Category 5A) 0.095 % Category 5B) 0.032 % Category 5C) 0.016 % Category 5D) 0.0053 % Category 6) 0.095 % Category 7A) 0.24 % Category 7B) 0.24 % Category 8) 0.0053 % Category 9) 0.13 % Category 10A) 0.13 % Category 10B) 0.22 % Category 11A) 0.0053 % Category 11B) 0.0053 % Category 12) 9.5 %	
3-THUJANONE, (1S,4S,5R)-(+)-	Thujone	471-15-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.21 % Category 3) 0.032 % Category 4) 1.4 % Category 5A) 0.095 % Category 5B) 0.032 % Category 5C) 0.016 % Category 5D) 0.0053 % Category 6) 0.095 % Category 7A) 0.24 % Category 7B) 0.24 % Category 8) 0.0053 % Category 9) 0.13 % Category 10A) 0.13 % Category 10B) 0.22 % Category 11A) 0.0053 % Category 11B) 0.0053 % Category 12) 9.5 %	
3,3-Dimethyl-5-(2,2,3-trimeth yl-3-cyclopenten-1-yl)-4-pent en-2-ol	3,3Dimethyl5(2,2,3trimethyl 3cyclopenten1yl)4penten2ol	107898-5 4-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.031 % Category 2) 0.057 % Category 3) 0.25 % Category 4) 1.1 % Category 5A) 0.27 % Category 5B) 0.27 % Category 5C) 0.27 % Category 5D) 0.091 % Category 6) 0.031 % Category 7A) 0.63 % Category 7B) 0.63 % Category 8) 0.091 % Category 9) 1.7 % Category 10A) 1.7 % Category 10B) 4.0 % Category 11A) 0.091 % Category 11B) 0.091 % Category 12) No Restriction	
3,5-DIMETHYL-3-CYCLOHEXE NE-1-CARBALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	68039-48 -5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.17% in lip products, 0.22% in deodorants/antiperspirants, 0.89% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.45% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
3,5-DIMETHYL-3-CYCLOHEXE NE-1-CARBALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	68039-48 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.45% Category 2) 0.14% Category 3) 2.7% Category 4) 2.5% Category 5A) 0.64% Category 5B) 0.64% Category 5C) 0.64% Category 5D) 0.64% Category 6) 1.5% Category 7A) 5.2% Category 7B) 5.2% Category 8) 0.27% Category 9) 4.9% Category 10A) 18% Category 10B) 18% Category 11A) 9.8% Category 11B) 9.8% Category 12) No Restriction	
3,5,6-TRIMETHYL-3-CYCLOHE XENE-1-CARBALDEHYDE	ISOCYCLOCITRAL	67634-07 -5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.3% in deodorants/antiperspirants, 1.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 3.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 5.1% in mouthwashes, breath sprays, and toothpastes, 0.5% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
3,5,6-TRIMETHYL-3-CYCLOHE XENE-1-CARBALDEHYDE	ISOCYCLOCITRAL	67634-07 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 3.2 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.76 % Category 5C) 0.76 % Category 5D) 0.76 % Category 6) 1.8 % Category 5C) 7A) 6.1 % Category 7B) 6.1 % Category 8) 0.32 % Category 9) 5.9 % Category 10A) 21 % Category 10B) 21 % Category 11A) 12 % Category 11B) 12 % Category 12) No Restriction	
3,6-DIAZAOCTANETHYLENE DIAMIN	Triethylenetetramine	112-24-3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
3,6-DIMETHYL-3-CYCLOHEXE NE-1-CARBALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	67801-65 -4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.17% in lip products, 0.22% in deodorants/antiperspirants, 0.89% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.45% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
3,6-DIMETHYL-3-CYCLOHEXE NE-1-CARBALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	67801-65 -4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.45% Category 2) 0.14% Category 3) 2.7% Category 4) 2.5% Category 5A) 0.64% Category 5B) 0.64% Category 5C) 0.64% Category 5D) 0.64% Category 6) 1.5% Category 7A) 5.2% Category 7B) 5.2% Category 8) 0.27% Category 9) 4.9% Category 10A) 18% Category 10B) 18% Category 11A) 9.8% Category 11B) 9.8% Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
3,7-DIMETHYL-3,6-OCTADIEN AL	3,7Dimethyl3,6octadienal	55722-59 -3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 0.030 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.12 % Category 5C) 0.030 % Category 5D) 0.010 % Category 6) 1.3 % Category 7A) 0.12 % Category 7B) 0.12 % Category 8) 0.010 % Category 9) 0.79 % Category 10A) 0.79 % Category 10B) 4.2 % Category 11A) 0.010 % Category 11B) 0.010 % Category 12) 53 %	
3,7-DIMETHYL-3,6-OCTADIEN AL	3,7Dimethyl3,6octadienal	55722-59 -3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 0.030 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.12 % Category 5C) 0.030 % Category 5D) 0.010 % Category 6) 1.3 % Category 7A) 0.12 % Category 7B) 0.12 % Category 8) 0.010 % Category 9) 0.79 % Category 10A) 0.79 % Category 10B) 4.2 % Category 11A) 0.010 % Category 11B) 0.010 % Category 12) 53 %	
3,7-DIMETHYL-3,6-OCTADIEN AL	3,7Dimethyl3,6octadienal	55722-59 -3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 0.030 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.12 % Category 5C) 0.030 % Category 5D) 0.010 % Category 6) 1.3 % Category 7A) 0.12 % Category 7B) 0.12 % Category 8) 0.010 % Category 9) 0.79 % Category 10A) 0.79 % Category 10B) 4.2 % Category 11A) 0.010 % Category 11B) 0.010 % Category 12) 53 %	
3,7-DIMETHYL-3,6-OCTADIEN AL	3,7Dimethyl3,6octadienal	55722-59 -3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 0.030 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.12 % Category 5C) 0.030 % Category 5D) 0.010 % Category 6) 1.3 % Category 7A) 0.12 % Category 7B) 0.12 % Category 8) 0.010 % Category 9) 0.79 % Category 10A) 0.79 % Category 10B) 4.2 % Category 11A) 0.010 % Category 11B) 0.010 % Category 12) 53 %	
3H-1,2,4-TRIAZOLE-3-THION E, 1,2-DIHYDRO-5-AMINO-	3Amino5mercapto1,2,4triaz ole	16691-43 -3	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
3H-1,2,4-TRIAZOLE-3-THION E, 1,2-DIHYDRO-5-AMINO-	3Amino5mercapto1,2,4triaz ole	16691-43 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
4-(2-BETA-GLUCOPYRANOSI LOXY) PROPOXY-2-HYDROXYBENZ OPHENONE	42BETAGLUCOPYRANOSIL OXYPROPOXY2HYDROXYB ENZOPHENONE	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 5% in rinseoff products (not applied to mucosa).	
4-(2-BETA-GLUCOPYRANOSI LOXY) PROPOXY-2-HYDROXYBENZ OPHENONE	42BETAGLUCOPYRANOSIL OXYPROPOXY2HYDROXYB ENZOPHENONE	0	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
4-(2-BETA-GLUCOPYRANOSI LOXY) PROPOXY-2-HYDROXYBENZ OPHENONE	42BETAGLUCOPYRANOSIL OXYPROPOXY2HYDROXYB ENZOPHENONE	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 5% in leaveon products (not applied to mucosa).	
4-CHLORORESORCINOL	4-CHLORORESORCINOL	95-88-5	Per European restrictions, prohibited for use in hair dye products.	
4-CHLORORESORCINOL	4CHLORORESORCINOL	95-88-5	The European Commission restricts this ingredient to a maximum concentration of 2.5% applied to hair after mixing under oxidative conditions in oxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colorants can cause severe allergic reactions'	
4-CHLORORESORCINOL	4CHLORORESORCINOL	95-88-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1% in hair dyes.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
4-ETHYLBENZALDEHYDE	pEthylbenzaldehyde	4748-78- 1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.17% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.26% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.11% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
4-ETHYLBENZALDEHYDE	pEthylbenzaldehyde	4748-78- 1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.085 % Category 2) 0.025 % Category 3) 0.51 % Category 4) 0.47 % Category 5A) 0.12 % Category 5B) 0.12 % Category 5C) 0.12 % Category 5D) 0.040 % Category 6) 0.28 % Category 7A) 0.96 % Category 7B) 0.96 % Category 8) 0.040 % Category 9) 0.92 % Category 10A) 0.92 % Category 10B) 3.3 % Category 11A) 0.040 % Category 11B) 0.040 % Category 12) No Restriction	
4-HYDROXYPROPYLAMINO- 3-NITROPHENOL	1-Hydroxy-3-nitro- 4-(3-hydroxypropy lamino)benzene	92952-81 -3	The European Commission restricts this ingredient to a maximum concentration of 2.6% in non-oxidative hair dye products. For hair dye substance in oxidative hair dye products, the maximum concentration after mixing under oxidative conditions must not exceed 2.6% as free base. Cannot be used with nitro sating agents and maximum nitrosamine content: 50 µg /kg. Keep in nitrite-free containers	
4-HYDROXYPROPYLAMINO- 3-NITROPHENOL	4-HYDROXYPROPYLAMIN O-3-NITROPHENOL	92952-81 -3	Per European restrictions, prohibited for use in hair dye products.	
4-HYDROXYPROPYLAMINO- 3-NITROPHENOL	Secondary and Tertiary Aromatic Amines (Aniline)	92952-81 -3	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
4-HYDROXYPROPYLAMINO- 3-NITROPHENOL	Secondary and Tertiary Aromatic Amines (Nitrosamine)	92952-81 -3	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
4-METHYLBENZALDEHYDE	o,m,pTolualdehydes and their mixtures	104-87-0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.17% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.26% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.11% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
4-METHYLBENZALDEHYDE	o,m,pTolualdehydes and their mixtures	104-87-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.085 % Category 2) 0.025 % Category 3) 0.51 % Category 4) 0.47 % Category 5A) 0.12 % Category 5B) 0.12 % Category 5C) 0.12 % Category 5D) 0.12 % Category 6) 0.28 % Category 7A) 0.96 % Category 7B) 0.96 % Category 8) 0.050 % Category 9) 0.92 % Category 10A) 3.3 % Category 10B) 3.3 % Category 11A) 1.8 % Category 11B) 1.8 % Category 12) No Restriction	
4-NITROPHENYL	4-NITROPHENYL	27080-42	Per European restrictions, prohibited for use in hair dye	
AMINOETHYLUREA 4-NITROPHENYL AMINOETHYLUREA	AMINOETHYLUREA 4NITROPHENYL AMINOETHYLUREA	-8 27080-42 -8	products. The European Commission restricts this ingredient to a maximum concentration of 0.25% applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 0.5% in nonoxidative hair dye products. Additionally, this substance cannot be used with nitrosating agents, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colourants can cause severe allergic reactions'; 'Read and follow instructions'	
4-OCTADECENOIC ACID, 5,9,13,17-TETRAMETHYL-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	72614-65 -4	This ingredient should not contain detectable levels of hydroquinone.	
4-T-BUTYL BENZALDEHYDE	Lilial-like ingredients	939-97-9	These substances share the same toxic metabolite as lilial and have been proposed for harmonised classification and labelling (CLH) as reprotox 1B substances, therefore they are restricted to 0.01% in the final product.	
4-tert-BUTYLDIHYDROCINN AMALDEHYDE	4TERTBUTYLDIHYDROCIN NAMALDEHYDE	18127-01- 0	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
4-tert-BUTYLDIHYDROCINN AMALDEHYDE	Lilial-like ingredients	18127-01- 0	These substances share the same toxic metabolite as lilial and have been proposed for harmonised classification and labelling (CLH) as reprotox 1B substances, therefore they are restricted to 0.01% in the final product.	
4-tert-BUTYLDIHYDROCINN AMALDEHYDE	ptertButyldihydrocinnamal dehyde	18127-01- 0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0041% Category 2) 0.025% Category 3) 0.025% Category 4) 0.47% Category 5A) 0.12% Category 5B) 0.029% Category 5C) 0.037% Category 5D) 0.0096% Category 6) 0.087% Category 7A) 0.029% Category 7B) 0.029% Category 8) 0.0096% Category 9) 0.099% Category 10A) 0.099% Category 10B) 0.24% Category 11A) 0.0096% Category 11B) 0.0096% Category 12) 6.9%	
4-tert-BUTYLDIHYDROCINN AMALDEHYDE	ptertButyldihydrocinnamal dehyde (Bourgeonal)	18127-01- 0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.2% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.3% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 0.6% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
4-tert-BUTYLTOLUENE	Lilial-like ingredients	98-51-1	These substances share the same toxic metabolite as lilial and have been proposed for harmonised classification and labelling (CLH) as reprotox 1B substances, therefore they are restricted to 0.01% in the final product.	
4-THIA-1-AZABICYCLO(3.2.0) HEPTANE-2-CARBOXYLIC ACID, 3,3-DIMETHYL-6-((((4-ETHYL -2,3-DIOXO-1-	Piperacillin	61477-96 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
4,14-RETRO-RETINOL-14-HY DROXY-, (14R)-	Retinoids	139257-7 7-5	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
4,8-DECADIENOIC ACID, 5,9-DIMETHYL-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	72614-62 -1	This ingredient should not contain detectable levels of hydroquinone.	
4,8-DIMETHYL-4,9-DECADIE NAL	4,8Dimethyl4,9decadienal	71077-31- 1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.042% Category 2) 0.013% Category 3) 0.25% Category 4) 0.24% Category 5A) 0.060% Category 5B) 0.060% Category 5C) 0.060% Category 5D) 0.020% Category 6) 0.14% Category 7A) 0.48% Category 7B) 0.48% Category 8) 0.020% Category 9) 0.46% Category 10A) 0.46% Category 10B) 1.7% Category 11A) 0.020% Category 11B) 0.020% Category 12) No Restriction	
4,8,12-TETRADECATRIENOIC ACID, 5,9,13-TRIMETHYL-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-	TOCOPHERYL ACETATE	72614-64 -3	This ingredient should not contain detectable levels of hydroquinone.	
4,8,12,16,20,24,28,32,36-OCTA TRIACONTANONAENOIC ACID, 5,9,13,17,21,25,29,33,37-NONA METHYL-,3,	TOCOPHERYL ACETATE	72614-67 -6	This ingredient should not contain detectable levels of hydroquinone.	
4,8,12,16,20,24,28,32,36,40-DO TETRACONTADECAENOIC ACID, 5,9,13,17,21,25,29,33,37,41-	TOCOPHERYL ACETATE	72614-66 -5	This ingredient should not contain detectable levels of hydroquinone.	
5-AMINO-4-CHLORO-O-CRES OL	5-AMINO-4-CHLORO-O-CR ESOL	110102-8 6-8	Per European restrictions, prohibited for use in hair dye products.	
5-AMINO-4-CHLORO-O-CRES OL	5AMINO4CHLOROOCRESO L	110102-8 6-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2% in oxidative and nonoxidative hair dyes.	
5-AMINO-4-CHLORO-O-CRES OL HCL	5AMINO4CHLOROOCRESO L HCL	110102-8 5-7	The European Commission restricts this ingredient to a maximum concentration of 1.5% (calculated as hydrochloride) when applied to hair after mixing under oxidative conditions in oxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colorants can cause severe allergic reactions'	
6-HYDROXYINDOLE	6hydroxyindole	0	The European Commission restricts this ingredient to a maximum concentration of 0.5% in hair dye products after mixing under oxidative conditions." Warning: "The European Commission requires the following warning text on the product label/package: 'Hair colorants can cause severe allergic reactions.'	
6-METHOXY-2-METHYLAMIN O-3-AMINOPYRIDINE HCL	6-METHOXY-2-METHYLAMI NO-3-AMINOPYRIDINE HCL	90817-34 -8	Per European restrictions, prohibited for use in hair dye products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
6-METHOXY-2-METHYLAMIN O-3-AMINOPYRIDINE HCL	6METHOXY2METHYLAMIN O3AMINOPYRIDINE HCL	90817-34 -8	The European Commission restricts this ingredient to a maximum concentration of 0.68% as free base (1.0% as dihydrochloride) applied to hair or eyelashes after mixing under oxidative conditions in oxidative hair dyes and products intended for coloring eyelashes, and 0.68% as free base (1.0% as dihydrochloride) in nonoxidative hair dye products. Additionally, this substance cannot be used with nitrosating agents, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. This ingredient is only permitted for professional use in products intended for coloring eyelashes. Required Warning: The European Commission requires the following on the product label/package of oxidative hair dyes: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.' The European commission requires the following on the product label/package of nonoxidative hair dyes: 'Can cause allergic reactions.' Lastly, the European commission requires the following on the product label/package of nonoxidative hair dyes: 'Can cause allergic reactions.' For professional use only.'; 'This product can cause severe allergic reactions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoo in the past.' The sproduct is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoo in the past.' This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoo is the following on the product is not intended for use on persons under the age of 16.'; 'Temp	
6-Octenal, 3,7-dimethyl-, (3S)-	CITRONELLAL	5949-05- 3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.41 % Category 2) 0.16 % Category 3) 0.026 % Category 4) 0.49 % Category 5A) 0.33 % Category 5B) 0.051 % Category 5C) 0.10 % Category 5D) 0.017 % Category 6) 0.82 % Category 7A) 0.077 % Category 7B) 0.077 % Category 8) 0.017 % Category 9) 1.4 % Category 10A) 1.4 % Category 10B) 2.3 % Category 11A) 0.017 % Category 11B) 0.017 % Category 12) No Restriction	
65-85-0	Benzoic acid	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
65-85-0	Benzoic acid and its sodium salt	0	(*) The European Commission restricts this ingredient to a maximum concentration of 2.5% (as acid) in rinseoff products (except oral care products), 1.7% (as acid) in oral care products, and 0.5% (as acid) in leaveon products	
68515-73-1	6-HYDROXYINDOLE		Per European restrictions, prohibited for use in hair dye products.	
68515-73-1	N,N-DIMETHYL 2,6-PYRIDINEDIAMINE HCL		Per European restrictions, prohibited for use in hair dye products.	
7-ETHYLBICYCLOOXAZOLID INE	5Ethyl3,7dioxa1azabicyclo[ 3.3.0] octane	7747-35- 5	(*) The European Commission restricts this ingredient to a maximum concentration of 0.30%	
7-ETHYLBICYCLOOXAZOLID INE	7-ETHYLBICYCLOOXAZOLI DINE	7747-35- 5	Per COSING, the maximum concentration in RTU preparation 0.30%. Prohibited for use in oral products and in products applied on mucous membranes.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
8-DECENOIC ACID, 5,9-DIMETHYL-, 3,4-DIHYDRO-2,5,7,8-TETRAM ETHYL-2-(4,8,12-TRIMETHYLT RIDECYL)-	TOCOPHERYL ACETATE	72614-63 -2	This ingredient should not contain detectable levels of hydroquinone.	
8-Hydroxyquinoline	8Hydroxyquinoline	0	Health Canada restricts this ingredient to a maximum concentration of 0.3% as stabilizers for hydrogen peroxide in rinseoff haircare preparations and 0.03% in leaveon hair products.	
8-HYDROXYQUINOLINE SULFATE	8Hydroxyquinoline sulfate	134-31-6	The European Commission restricts this ingredient to a maximum concentration of 0.3% (as base) in hair rinseoff products and 0.03% (as base) in hair leaveon products, both as a stabilizer for hydrogen peroxide.	
8-HYDROXYQUINOLINE SULFATE	8HYDROXYQUINOLINESU LFATE	134-31-6	Health Canada restricts this ingredient to a maximum concentration of 0.3% as stabilizers for hydrogen peroxide in rinseoff haircare preparations and 0.03% in leaveon hair products.	
8-HYDROXYQUINOLINE SULFATE	Bis(8hydroxyquinolinium) sulphate	134-31-6	Europe restricts this chemical: Restricted use: Stabilizer for hydrogen peroxide in rinseoff hair products 0.3% as base; Stabilizer for hydrogen peroxide in leaveon hair products 0.03% as base	
8-HYDROXYQUINOLINE SULFATE	OXYQUINOLINE SULFATE	134-31-6	The Cosmetic Ingredient Review restricts the use of this ingredient to a stabilizer for hydrogen peroxide in rinseoff hair products.	
8'-APO-BETA-CAROTENAL	8'-APO-BETA-CAROTENAL	1107-26-2	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 160e)	
80-54-6	LILIAL		Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
ABIES (FIR) NEEDLE OIL	ABIES SIBIRICA (SIBERIAN FIR) OIL	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES ALBA LEAF OIL	ABIES ALBA LEAF OIL	8021-27- 0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES ALBA LEAF OIL	ABIES PECTINATA OIL	8021-27- 0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES BALSAMEA (BALSAM)	ABIES BALSAMEA (BALSAM)	8007-47- 4	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES BALSAMEA (BALSAM) EXTRACT	ABIES BALSAMEA (BALSAM)	85085-34 -3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES BALSAMEA (BALSAM) EXTRACT	ABIES BALSAMEA (BALSAM) EXTRACT	85085-34 -3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES BALSAMEA (BALSAM) EXTRACT	ABIES BALSAMEA (BALSAM) NEEDLE OIL	85085-34 -3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES BALSAMEA (BALSAM) NEEDLE OIL	ABIES BALSAMEA (BALSAM) NEEDLE OIL	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA BARK/LEAF EXTRACT	ABIES PECTINATA BARK/LEAF EXTRACT	92128-34 -2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ABIES PECTINATA EXTRACT	ABIES PECTINATA EXTRACT	90028-76 -5	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA NEEDLE EXTRACT	ABIES PECTINATA BARK/LEAF EXTRACT	92128-34 -2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA NEEDLE EXTRACT	ABIES PECTINATA NEEDLE EXTRACT	92128-34 -2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA NEEDLE EXTRACT	ABIES PECTINATA NEEDLE OIL	92128-34 -2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA NEEDLE OIL	ABIES PECTINATA NEEDLE OIL	92128-34 -2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA OIL	ABIES PECTINATA BARK/LEAF EXTRACT	8021-27- 0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA OIL	ABIES PECTINATA NEEDLE EXTRACT	8021-27- 0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA OIL	ABIES PECTINATA NEEDLE OIL	8021-27- 0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES PECTINATA OIL	ABIES PECTINATA OIL	8021-27- 0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES SIBIRICA (SIBERIAN FIR) OIL	ABIES SIBIRICA (SIBERIAN FIR) OIL	8021-29- 2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES SIBIRICA (SIBERIAN FIR) OIL	ABIES SIBIRICA NEEDLE EXTRACT	8021-29- 2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES SIBIRICA (SIBERIAN FIR) OIL	ABIES SIBIRICA NEEDLE OIL	8021-29- 2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES SIBIRICA NEEDLE EXTRACT	ABIES SIBIRICA NEEDLE EXTRACT	91697-89 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES SIBIRICA NEEDLE EXTRACT	ABIES SIBIRICA NEEDLE OIL	91697-89 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABIES SIBIRICA NEEDLE OIL	ABIES SIBIRICA NEEDLE OIL	91697-89 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ABSINTHIUM (MUGWORT) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ABSINTHIUM (MUGWORT) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ABSORPTION OILS, BICYCLO AROM. AND HETEROCYCLIC HYDROCARBON FRACTION	Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction	101316-4 5-4	The European Commission bans this ingredient from use in cosmetics if it contains over 0.005% w/w benzo[a]pyrene	
ACACIA CATECHU GUM	ACACIA CATECHU GUM	8001-76- 1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA CONCINNA FRUIT EXTRACT	ACACIA CONCINNA FRUIT EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA DEALBATA FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ACACIA DEALBATA FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ACACIA DEALBATA LEAF EXTRACT	ACACIA DEALBATA LEAF EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA DECURRENS EXTRACT	ACACIA DECURRENS EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA DECURRENS FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ACACIA DECURRENS FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ACACIA FARNESIANA EXTRACT	ACACIA FARNESIANA FLOWER/STEM EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA FARNESIANA FLOWER WAX	ACACIA FARNESIANA FLOWER WAX	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA FARNESIANA FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
ACACIA FARNESIANA FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ACACIA FARNESIANA FLOWER/STEM EXTRACT	ACACIA FARNESIANA FLOWER/STEM EXTRACT	89958-31 -6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACACIA FARNESIANA GUM	ACACIA FARNESIANA GUM	9000-01- 5	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA FARNESIANA GUM	Gum Acacia	9000-01- 5	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ACACIA FARNESIANA GUM	Gum Arabic	9000-01- 5	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ACACIA SENEGAL EXTRACT	ACACIA SENEGAL EXTRACT	97659-43 -3	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA SENEGAL GUM	ACACIA SENEGAL GUM	9000-01- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 9%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA SENEGAL GUM	Gum Acacia	9000-01- 5	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ACACIA SENEGAL GUM	Gum Arabic	9000-01- 5	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ACACIA SENEGAL GUM	Gum Arabic	9000-01- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ACACIA SENEGAL GUM EXTRACT	ACACIA SENEGAL GUM EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.001%.	
ACACIA SENEGAL GUM EXTRACT	ACACIA SENEGAL GUM EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/Pesticide residue, arsenic, heavy metals, and lead.	
ACACIA WAX, JOJOBA WAX, SUNFLOWER OIL, POLYGLYCERYL33 ESTERS	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ACACIA WAX, JOJOBA WAX, SUNFLOWER OIL, POLYGLYCERYL33 ESTERS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ACETIC ACID	Glacial Acetic Acid	64-19-7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ACETIC ACID	Glacial Acetic Acid	64-19-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ACETIC ACID, (ETHYLENEDINITRILO)TETR A-, ALUMINUM SODIUM SALT	Aluminum Compounds	29507-62 -8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ACETIC ACID, (ETHYLENEDINITRILO)TETR A-, ALUMINUM(III) COMPLEX	Aluminum Compounds	17100-11- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACETIC ACID, (ETHYLENEDINITRILO)TETR A-, DISODIUM SALT, COPPER COMPLEX, TRIHYDRATE	ACETIC ACID, (ETHYLENEDINITRILO)TET RA-, DISODIUM SALT, COPPER COMPLEX, TRIHYDRATE	73637-19- 1	Per the U.S. FDA., disodium EDTA-copper shall conform to the following specifications and shall be free from impurities other than those named to the extent that such impurities may be avoided by good manufacturing practice: Total copper, not less than 13.5 percent. Total (ethylene-dinitrilo) tetracetic acid, not less than 62.5 percent. Free copper, not more than 100 parts per million. Free disodium salt of (ethylene-dinitrilo) tetraacetic acid, not more than 1.0 percent. Moisture, not more than 15 percent. Water insoluble matter, not more than 0.2 percent. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million.	
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclodo decatriene	Acetic acid, anhydride, reaction products with 1,5,10trimethyl1,5,9cyclodo decatriene	144020-2 2-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00016 % Category 2) 0.13 % Category 3) 0.40 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.52 % Category 5C) 0.60 % Category 5D) 0.17 % Category 6) 0.00016 % Category 7A) 0.87 % Category 7B) 0.87 % Category 8) 0.17 % Category 9) 2.2 % %Category 10A) 2.2 % Category 10B) 4.4 % Category 11A) 0.17 % Category 11B) 0.17 % Category 12) No Restriction	
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclodo decatriene	Acetic acid, anhydride, reaction products with 1,5,10trimethyl1,5,9cyclodo decatriene	144020-2 2-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00016 % Category 2) 0.13 % Category 3) 0.40 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.52 % Category 5C) 0.60 % Category 5D) 0.17 % Category 6) 0.00016 % Category 7A) 0.87 % Category 7B) 0.87 % Category 8) 0.17 % Category 9) 2.2 % %Category 10A) 2.2 % Category 10B) 4.4 % Category 11A) 0.17 % Category 11B) 0.17 % Category 12) No Restriction	
Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclodo decatriene	Acetic, anhydride, reaction products with 1,5,10trimethyl1,5,9cyclodo decatriene	2-4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.16% in lip products, 0.2% in deodorants/antiperspirants, 0.83% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.49% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.31% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 3.99% in mouthwashes, breath sprays, and toothpastes, 0.42% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ACETIC ACID, FLUORO-, ALUMINUM SALT	Aluminum Compounds	63905-85 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ACETIC ACID, GLACIAL	Glacial Acetic Acid	64-19-7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ACETYL GLUTAMINE	ACETYL GLUTAMINE	2490-97- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%	
ACETYL HEPTAPEPTIDE-4	ACETYL HEPTAPEPTIDE4	0	The Cosmetic Ingredient review has determined that a similar group of ingredients are safe as used up to a concentration of 0.002%.	
ACETYL HEXAPEPTIDE-8	ACETYL HEXAPEPTIDE-8	616204-2 2-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.005%. The Panel further concluded that the available data are insufficient to make a determination that Acetyl Hexapeptide-8 Amide is safe under the intended conditions of use in cosmetic formulations at concentrations greater than 0.005% and that use concentrations > 0.005% are unsupported by the available safety test data.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACETYL METHIONINE	ACETYL METHIONINE	65-82-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.00001%.	
ACETYL TRIBUTYL CITRATE	Acetyl tributyl citrate	77-90-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
ACETYL TRIETHYL CITRATE	ACETYL TRIETHYL CITRATE	77-89-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
ACETYL TRIPEPTIDE-30 CITRULLINE	Insufficient data ingredient	0	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	X
ACETYL TYROSINE	ACETYL TYROSINE	537-55-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.3%. The Cosmetic Ingredient Review restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
ACETYL-CYSTEINE	ACETYL CYSTEINE	616-91-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.1%.	
ACETYLATED LANOLIN	ACETYLATED LANOLIN	61788-48 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
ACETYLATED LANOLIN ALCOHOL	ACETYLATED LANOLIN ALCOHOL	61788-49 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 16%.	
ACETYLCEDRENE	ACETYL CEDRENE	32388-55 -9	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4)	Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4)	3844-45- 9	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4)	Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4)	3844-45- 9	Per COSING, the maximum concentration in ready to use preparation is 0.50%	
Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4)	CI 42090	3844-45- 9	This substance must contain less than: 100 ppm manganese, 2 ppm lead, 1 ppm mercury, 1 ppm cadmium, and 100 ppm unsulfonated primary aromatic amines.	
Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4)	CI 42090	3844-45- 9	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4) Lake	Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4) Lake	3844-45- 9	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4) Lake	Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4) Lake	3844-45- 9	Per COSING, the maximum concentration in ready to use preparation is 0.50%	
Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4) Lake	CI 42090	3844-45- 9	This substance must contain less than: 100 ppm manganese, 2 ppm lead, 1 ppm mercury, 1 ppm cadmium, and 100 ppm unsulfonated primary aromatic amines.	
Acid Blue 9 (Uncertified FD&C Blue No. 1 or D&C Blue No. 4) Lake	CI 42090	3844-45- 9	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Acid Orange 7 (Uncertified D&C Orange No. 4)	Acid Orange 7 (Uncertified D&C Orange No. 4)	633-96-5	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Acid Orange 7 (Uncertified D&C Orange No. 4)	D&C Orange no 4	633-96-5	This substance must contain <0.06% 2naphthol and <0.12% sodium sulfanilate.	
Acid Orange 7 (Uncertified D&C Orange No. 4)	D&C Orange No. 4	633-96-5	The European Commission prohibits use of this substance in eye products.	
ACID RED 18 ALUMINUM LAKE	ACID RED 18 ALUMINUM LAKE	0	The European Commission restricts this ingredient to a maximum concentration of 0.5% in nonoxidative hair dye products.	
ACID RED 195	ACID RED 195	12220-24 -5	Per COSING, prohibited for use in products applied on mucous membranes.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACID RED 195	Sodium 4[(4,5dihydro3methyl5oxo1 phenyl1Hpyrazol4yl)azo]3h ydroxynaphthalene1sulpho nate	12220-24 -5	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
Acid Yellow 1 (Uncertified Ext. D&C Yellow No. 7)	Acid Yellow 1 (Uncertified Ext. D&C Yellow No. 7)	846-70-8	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Acid Yellow 1 (Uncertified Ext. D&C Yellow No. 7)	Acid Yellow 1 (Uncertified Ext. D&C Yellow No. 7)	846-70-8	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Acid Yellow 1 (Uncertified Ext. D&C Yellow No. 7)	Ext. D&C Yellow No. 7	846-70-8	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Acid Yellow 1 (Uncertified Ext. D&C Yellow No. 7)	Ext. D&C Yellow No. 7	846-70-8	The European Commission prohibits use of this substance in eye products.	
Acid Yellow 1 (Uncertified Ext. D&C Yellow No. 7)	Ext. D&C Yellow No. 7	846-70-8	This substance must contain <10 ppm 1naphthol, <20 ppm 2,4dinitro1naphthol, and <10 ppm lead.	
Acid Yellow 23 (Uncertified FD&C Yellow No. 5)	FD&C Yellow 5	0	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine, <5 ppb 2aminobiphenyl, and <5 ppb 1naphthylamine.	
Acid Yellow 23 (Uncertified FD&C Yellow No. 5)	FD&C Yellow 5	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Acid Yellow 23 (Uncertified FD&C Yellow No. 5) Lake	FD&C Yellow 5	0	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine, <5 ppb 2aminobiphenyl, and <5 ppb 1naphthylamine.	
Acid Yellow 23 (Uncertified FD&C Yellow No. 5) Lake	FD&C Yellow 5	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Acid Yellow 3 (Uncertified D&C Yellow No. 10)	Acid Yellow 3 (Uncertified D&C Yellow No. 10)	38615-46 -2	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Acid Yellow 3 (Uncertified D&C Yellow No. 10)	Acid Yellow 3 (Uncertified D&C Yellow No. 10)	38615-46 -2	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 104)	
Acid Yellow 3 (Uncertified D&C Yellow No. 10)	D&C Yellow No. 10	38615-46 -2	This substance must contain <2ppm lead, <1ppm cadmium, <50ppm zinc, and <0.01% aniline.	
Acid Yellow 3 (Uncertified D&C Yellow No. 10) Lake	Acid Yellow 3 (Uncertified D&C Yellow No. 10) Lake	68814-04 -0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Acid Yellow 3 (Uncertified D&C Yellow No. 10) Lake	D&C Yellow No. 10	68814-04 -0	This substance must contain <2ppm lead, <1ppm cadmium, <50ppm zinc, and <0.01% aniline.	
ACORUS CALAMUS	ACORUS CALAMUS	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ACORUS CALAMUS ACORUS CALAMUS (SWEET	ACORUS CALAMUS ACORUS CALAMUS (SWEET	0 84775-39	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97% The European Union and Canada restricts the use of	
FLAG) ROOT EXTRACT	FLAG) ROOT EXTRACT	-3	methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACORUS CALAMUS (SWEET FLAG) ROOT EXTRACT	ACORUS CALAMUS (SWEET FLAG) ROOT EXTRACT	84775-39 -3	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ACORUS CALAMUS ROOT EXTRACT HYDROGENATED	ACORUS CALAMUS ROOT EXTRACT HYDROGENATED	85480-47 -3	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ACORUS CALAMUS ROOT EXTRACT HYDROGENATED	ACORUS CALAMUS ROOT EXTRACT HYDROGENATED	85480-47 -3	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ACRYLAMIDE/ AMMONIUM ACRYLATE COPOLYMER	ACRYLAMIDE/ AMMONIUM ACRYLATE COPOLYMER	26100-47 -0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLAMIDE/ SODIUM ACRYLATE COPOLYMER	ACRYLAMIDE/ SODIUM ACRYLATE COPOLYMER	25085-02 -3	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLAMIDE/ SODIUM ACRYLOYLDIMETHYLTAURAT E COPOLYMER	ACRYLAMIDE/ SODIUM ACRYLOYLDIMETHYLTAUR ATE COPOLYMER	38193-60 -1	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLAMIDE/ SODIUM ACRYLOYLDIMETHYLTAURAT E COPOLYMER	ACRYLAMIDE/SODIUM ACRYLOYLDIMETHYLTAUR ATE COPOLYMER	38193-60 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3.2%	
ACRYLAMIDE/ETHALKONIU M CHLORIDE ACRYLATE COPOLYMER	ACRYLAMIDE/ETHALKONI UM CHLORIDE ACRYLATE COPOLYMER	74153-51- 8	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLAMIDE/ETHYLTRIMO NIUM CHLORIDE ACRYLATE/ETHALKONIUM CHLORIDE ACRYLATE COPOLYMER	ACRYLAMIDE/ETHYLTRIM ONIUM CHLORIDE ACRYLATE/ETHALKONIUM CHLORIDE ACRYLATE COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLAMIDE/ETHYLTRIMO NIUM CHLORIDE ACRYLATE/ETHALKONIUM CHLORIDE ACRYLATE COPOLYMER	ACRYLAMIDE/ETHYLTRIM ONIUM CHLORIDE ACRYLATE/ETHALKONIUM CHLORIDE ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLAMIDE/SODIUM ACRYLOYLDIMETHYLTAURAT E/ACRYLIC ACID COPOLYMER	ACRYLAMIDE/SODIUM ACRYLOYLDIMETHYLTAUR ATE/ACRYLIC ACID COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLAMIDES COPOLYMER	ACRYLAMIDES COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACRYLAMIDES/DMAPA ACRYLATES/METHOXY PEG METHACRYLATE COPOLYMER	ACRYLAMIDES/DMAPA ACRYLATES/METHOXY PEG METHACRYLATE COPOLYMER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLAMIDES/DMAPA ACRYLATES/METHOXY PEG METHACRYLATE COPOLYMER	ACRYLAMIDES/DMAPA ACRYLATES/METHOXY PEG METHACRYLATE COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLAMIDOPROPYLTRIMO NIUM CHLORIDE/ ACRYLAMIDE COPOLYMER	ACRYLAMIDOPROPYLTRIM ONIUM CHLORIDE/ ACRYLAMIDE COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLAMIDOPROPYLTRIMO NIUM CHLORIDE/ ACRYLAMIDE COPOLYMER	ACRYLAMIDOPROPYLTRIM ONIUM CHLORIDE/ ACRYLAMIDE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLAMIDOPROPYLTRIMO NIUM CHLORIDE/ACRYLATES COPOLYMER	ACRYLAMIDOPROPYLTRIM ONIUM CHLORIDE/ACRYLATES COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES COPOLYMER	ACRYLATES COPOLYMER	25133-97- 5	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES CROSSPOLYMER	Acrylates Crosspolymer	26794-61 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 5%; The CIR does not allow the use of this ingredient in cosmetic products when polymerized in benzene.	
ACRYLATES CROSSPOLYMER	ACRYLATES CROSSPOLYMER	26794-61 -6	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ ACRYLAMIDE COPOLYMER	ACRYLATES/ ACRYLAMIDE COPOLYMER	9003-06- 9	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
ACRYLATES/ AMINOACRYLATES/ C10-30 AKLYL PEG-20 ITACONATE COPOLYMER	Acrylates/ Aminoacrylates/ C1030 Aklyl Peg20 Itaconate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLATES/ AMINOACRYLATES/ C10-30 ALKYL PEG-20 ITACONATE COPOLYMER	Acrylates/ Aminoacrylates/ C1030 Alkyl Peg20 Itaconate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLATES/ BEHENETH-25 METHACRYLATE COPOLYMER	ACRYLATES/ BEHENETH-25 METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACRYLATES/ BEHENETH-25 METHACRYLATE COPOLYMER	ACRYLATES/ BEHENETH-25 METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/ C12-22 ALKYLMETHACRYLATE COPOLYMER	ACRYLATES/ C12-22 ALKYLMETHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ C12-22 ALKYLMETHACRYLATE COPOLYMER	ACRYLATES/ C12-22 ALKYLMETHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/ CETETH-20 ITACONATE COPOLYMER	Acrylates/ Ceteth20 Itaconate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLATES/ DIMETHICONE COPOLYMER	ACRYLATES/ DIMETHICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
ACRYLATES/ HYDROXYESTERS ACRYLATES COPOLYMER	ACRYLATES/ HYDROXYESTERS ACRYLATES COPOLYMER	25035-89 -6	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ LAURYL ACRYLATE/ STEARYL ACRYLATE/ ETHYLAMINE OXIDE METHACRYLATE COPOLYMER	ACRYLATES/ LAURYL ACRYLATE/ STEARYL ACRYLATE/ ETHYLAMINE OXIDE METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ STEARETH-20 ITACONATE COPOLYMER	Acrylates/ Steareth20 Itaconate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLATES/ STEARETH-20 METHACRYLATE COPOLYMER	ACRYLATES/ STEARETH-20 METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ VA COPOLYMER	ACRYLATES/ VA COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACRYLATES/ VINYL ISODECANOATE CROSSPOLYMER	ACRYLATES/ VINYL ISODECANOATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ VINYL ISODECANOATE CROSSPOLYMER	Acrylates/Vinyl Isodecanoate Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.4%; The CIR does not allow the use of this ingredient in cosmetic products when polymerized in benzene.	
Acrylates/Ammonium Methacrylate Copolymer	Acrylates/Ammonium Methacrylate Copolymer	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/BEHENYL ACRYLATE/DIMETHICONE METHACRYLATE COPOLYMER	ACRYLATES/BEHENYL ACRYLATE/DIMETHICONE METHACRYLATE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
ACRYLATES/BIS-HYDROXYP ROPYL DIMETHICONE CROSSPOLYMER	ACRYLATES/BIS-HYDROXY PROPYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	Acrylates copolymer and related substances	176429-8 7-1	These substances must not be polymerized in benzene, and, per, U.S. Pharmacopeia standards, the total residual monomers may not exceed 2500 ppm. Additionally, the total residual methylacrylic acid and its salts may not exceed 100 ppm based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers and concerns about the toxicity of methylacrylic acid and its salts.	X
ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	Acrylates/C1030 Alkyl Acrylate Crosspolymer	176429-8 7-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%; The CIR does not allow the use of this ingredient in cosmetic products when polymerized in benzene.	
ACRYLATES/CETETH-20 METHACRYLATE COPOLYMER	ACRYLATES/CETETH-20 METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/CETETH-20 METHACRYLATE COPOLYMER	ACRYLATES/CETETH-20 METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/CETETH-20 METHACRYLATE COPOLYMER	Acrylates/ceteth20 Methacrylate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLATES/DIMETHICONE METHACRYLATE/ETHYLHEXY L ACRYLATE COPOLYMER	ACRYLATES/DIMETHICON E METHACRYLATE/ETHYLHE XYL ACRYLATE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACRYLATES/DIMETHICONE METHACRYLATE/ETHYLHEXY L ACRYLATE COPOLYMER	ACRYLATES/DIMETHICON E METHACRYLATE/ETHYLHE XYL ACRYLATE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
ACRYLATES/DIMETHICONOL ACRYLATE COPOLYMER	ACRYLATES/DIMETHICON OL ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	Acrylates/Ethylhexyl Acrylate Copolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 30%	
ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ETHYLHEXYL ACRYLATE CROSSPOLYMER	ACRYLATES/ETHYLHEXYL ACRYLATE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/ETHYLHEXYL ACRYLATE/DIMETHICONE METHACRYLATE COPOLYMER	ACRYLATES/ETHYLHEXYL ACRYLATE/DIMETHICONE METHACRYLATE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
ACRYLATES/ETHYLHEXYL ACRYLATE/GLYCIDYL METHACRYLATE CROSSPOLYMER	ACRYLATES/ETHYLHEXYL ACRYLATE/GLYCIDYL METHACRYLATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/ETHYLHEXYL ACRYLATE/STYRENE COPOLYMER	ACRYLATES/ETHYLHEXYL ACRYLATE/STYRENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ACRYLATES/HYDROXYETHYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	ACRYLATES/HYDROXYETH YL ACRYLATE/LAURYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/HYDROXYETHYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	ACRYLATES/HYDROXYETH YL ACRYLATE/LAURYL ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACRYLATES/HYDROXYETHYL ACRYLATE/METHOXYETHYL ACRYLATE COPOLYMER	ACRYLATES/HYDROXYETH YL ACRYLATE/METHOXYETHY L ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/HYDROXYETHYL ACRYLATE/METHOXYETHYL ACRYLATE COPOLYMER	ACRYLATES/HYDROXYETH YL ACRYLATE/METHOXYETHY L ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/LAURETH-25 METHACRYLATE COPOLYMER	ACRYLATES/LAURETH-25 METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/LAURETH-25 METHACRYLATE COPOLYMER	ACRYLATES/LAURETH-25 METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/LAURETH-25 METHACRYLATE COPOLYMER	Acrylates/laureth25 Methacrylate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLATES/METHOXY PEG-15 METHACRYLATE COPOLYMER	ACRYLATES/METHOXY PEG-15 METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/METHOXY PEG-15 METHACRYLATE COPOLYMER	ACRYLATES/METHOXY PEG-15 METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/METHOXY PEG-15 METHACRYLATE COPOLYMER	Acrylates/methoxy Peg15 Methacrylate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLATES/METHOXY PEG-23 METHACRYLATE/PERFLUOR OOCTYL ETHYL ACRYLATE COPOLYMER	ACRYLATES/METHOXY PEG-23 METHACRYLATE/PERFLUO ROOCTYL ETHYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/METHOXY PEG-23 METHACRYLATE/PERFLUOR OOCTYL ETHYL ACRYLATE COPOLYMER	Acrylates/methoxy Peg23 Methacrylate/perfluorooct yl Ethyl Acrylate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ACRYLATES/PALMETH-25 ACRYLATE COPOLYMER	ACRYLATES/PALMETH-25 ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/PALMETH-25 ACRYLATE COPOLYMER	ACRYLATES/PALMETH-25 ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/PEG-10 MALEATE/STYRENE COPOLYMER	Acrylates/ Peg10 Maleates/ Styrene Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ACRYLATES/STEARETH-50 ACRYLATE COPOLYMER	ACRYLATES/STEARETH-50 ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/STEARYL ACRYLATE/DIMETHICONE METHACRYLATE COPOLYMER	ACRYLATES/STEARYL ACRYLATE/DIMETHICONE METHACRYLATE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
ACRYLATES/STEARYL METHACRYLATE COPOLYMER	ACRYLATES/STEARYL METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/STEARYL METHACRYLATE COPOLYMER	ACRYLATES/STEARYL METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/VA CROSSPOLYMER	Acrylates/VA Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 25%	
ACRYLATES/VA CROSSPOLYMER	ACRYLATES/VA CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/VINYL NEODECANOATE CROSSPOLYMER	ACRYLATES/VINYL NEODECANOATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ACRYLATES/VINYL NEODECANOATE CROSSPOLYMER	ACRYLATES/VINYL NEODECANOATE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ACRYLATES/VP COPOLYMER	ACRYLATES/VP COPOLYMER	26589-26 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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ACRYLIC RESIN COATED ALUMINUM POWDER	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ACTINIDIA CHINENSIS (KIWI) SEED OIL	ACTINIDIA CHINENSIS (KIWI) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
ACTIVATED CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
ADANSONIA DIGITATA OIL	ADANSONIA DIGITATA OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.01%.	
ADENOSINE	ADENOSINE	58-61-7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1%.	
ADENOSINE PHOSPHATE	ADENOSINE PHOSPHATE	61-19-8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ADENOSINE TRIPHOSPHATE	ADENOSINE TRIPHOSPHATE	56-65-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ADEPS SUILLUS	LARD	0	The Cosmetic Ingredient Review restricts the lead, arsenic, mercury, and total PCB/pesticide contents of this ingredient to maximum concentrations of 0.1 ppm, 3 ppm, 1 ppm, and 40 ppm (with 10 ppm for any specific residue), respectively.	
ADIPIC ACID	adipic acid	124-04-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.000001% in leaveon products and 18% in rinseoff products.	
ADIPIC ACID/ NEOPENTYL GLYCOL/ TRIMELLITIC ANHYDRIDE COPOLYMER	Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer	28407-73 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe in nail product formulations.	
AGAR	AGAR	9002-18- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
AGAROSE	AGAROSE	9012-36- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
AGARUM CRIBOSUM EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
AKA208	AKA208	1248-18- 6	Per COSING, the maximum concentration in RTU preparation is 3%	
ALANINE	ALANINE	107-95-9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.1%.	
ALANINE, 3-(3,4-DIHYDROXYPHENYL)- 2-METHYL-, L-(-)-	Methyldopa	555-30-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALARIA ESCULENTA EXTRACT	ALARIA ESCULENTA EXTRACT		The Cosmetic Igredient Review has determined this ingredient to be safe as used up to a concentration of 0.5%.	
ALARIA ESCULENTA EXTRACT	ALARIA ESCULENTA EXTRACT		This substance should not contain detectable levels of cadmium, lead, mercury, copper, zinc, arsenic, nickel, silver, or iodine.	
ALARIA ESCULENTA EXTRACT	Algae and related substances		Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
ALCALIGENES POLYSACCHARIDES	ALCALIGENES POLYSACCHARIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ALCLOXA	Aluminum Compounds	1317-25-5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALCLOXA	ALUMINUMCHLORHYDRO XYALLANTOINATE	1317-25-5	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 1%.	
Alcohol ethoxylated (C12-14)	Alcohol Ethoxylated (c1214)	68439-50 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C10-12, 5-7EO) branched	Alcohol Ethoxylates (c1012, 57eo) Branched	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C10-12, 8EO)	Alcohol Ethoxylates (c1012, 8eo)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C10-12)	Alcohol ethoxylates (C10-12)	0	The U.S. Food & Drug Administration has identified 1,4-dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4-dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C10-14)	Alcohol Ethoxylates (c1014)	66455-15 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C10-16, 9EO)	Alcohol Ethoxylates (c1016, 9eo)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C10-16)	Alcohol Ethoxylates (c1016)	68002-97 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES (C10-C16) SODIUM SALT	Alcohol Ethoxylates (c10C16) Sodium Salt	68585-34 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES (C10-C16) SODIUM SALT	Sodium Magnesium Laureth3,6 Sulfate	68585-34 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C11-14-iso-, C13-rich)	Alcohol Ethoxylates (c1114Iso, C13Rich)	78330-21 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C11-15) secondary	Alcohol Ethoxylates (c1115) Secondary	68131-40 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Alcohol ethoxylates (C12-13)	Alcohol Ethoxylates (c1213)	66455-14 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-14) 9EO	Alcohol Ethoxylates (c1214) 9eo	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-14) linear, saturated	Alcohol Ethoxylates (c1214) Linear, Saturated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-14) propoxylated	Alcohol Ethoxylates (c1214) Propoxylated	68439-51 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-14) secondary	Alcohol Ethoxylates (c1214) Secondary	84133-50 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-15, 12-20EO)	Alcohol ethoxylates (C1215, 1220EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-15, 20-30EO)	Alcohol ethoxylates (C1215, 2030EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-15, 3-12EO, branched)	Alcohol ethoxylates (C1215, 312EO, branched)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-15, 30+EO)	Alcohol ethoxylates (C1215, 30+EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-15, 7EO)	Alcohol Ethoxylates (c1215, 7eo)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-15, 9-12EO)	Alcohol ethoxylates (C1215, 912EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Alcohol ethoxylates (C12-15, avg 12-13, 6-9EO)	Alcohol ethoxylates (C1215, avg 1213, 69EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-15, avg 15, 6-9EO)	Alcohol ethoxylates (C1215, avg 15, 69EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-15)	Alcohol Ethoxylates (c1215)	106232-8 3-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-16, 7EO)	Alcohol Ethoxylates (c1216, 7eo)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES (C12-16)	Alcohol Ethoxylates (c1216)	68551-12 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-18, 0-3EO)	Alcohol ethoxylates (C1218, 03EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-18, 10-20EO)	Alcohol ethoxylates (C1218, 1020EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12-18, 5-10EO)	Alcohol ethoxylates (C1218, 510EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES (C12-18)	Alcohol Ethoxylates (c1218)	68213-23- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	Alcohol Ethoxylates (c12)	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH11	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Alcohol ethoxylates (C12)	LAURETH13	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH14	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH15	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH16	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH20	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH23	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH25	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH30	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH38	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C12)	LAURETH40	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C14-15)	Alcohol Ethoxylates (c1415)	68951-67 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Alcohol ethoxylates (C16-18, 2-8EO)	Alcohol ethoxylates (C1618, 28EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C16-18, 20-30EO)	Alcohol ethoxylates (C1618, 2030EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES (C16-18, 25EO)	Alcohol Ethoxylates (c1618, 25eo)	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES (C16-18, 25EO)	CETEARETH12	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C16-18, 30+EO)	Alcohol ethoxylates (C1618, 30+EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C16-18, 9-18EO)	Alcohol ethoxylates (C1618, 918EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C4-C8, 5EO)	Alcohol Ethoxylates (c4C8, 5eo)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES (C6-12)	Alcohol Ethoxylates (c612)	68439-45 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C7-21)	Alcohol Ethoxylates (c721)	68991-48 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C8-10)	Alcohol Ethoxylates (c810)	74565-57 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C9-11, 3-6EO)	Alcohol ethoxylates (C911, 36EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Alcohol ethoxylates (C9-11, 4-8EO)	Alcohol Ethoxylates (c911, 48eo)	68439-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C9-11, 4-8EO)	Alcohol Ethoxylates (c911)	68439-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C9-11, 4-8EO)	C911 PARETH8	68439-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C9-11, 5-11EO, branched)	Alcohol ethoxylates (C911, 511EO, branched)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates (C9-11, 6-10EO)	Alcohol ethoxylates (C911, 610EO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol Ethoxylates Blend (C12-18 & C12-16)	Alcohol Ethoxylates Blend (c1218 & C1216)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol Ethoxylates, Propoxylated (C10-16, 6-7EO, 0-3PO)	Alcohol Ethoxylates, Propoxylated (C1016, 67EO, 03PO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates, propoxylated (C12-14)	Alcohol Ethoxylates, Propoxylated (c1214)	68439-51 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol Ethoxylates, Propoxylated (C12-15, 2-6EO, 2-6PO)	Alcohol Ethoxylates, Propoxylated (C1215, 26EO, 26PO)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES, PROPOXYLATED (C12-15)	Alcohol Ethoxylates Propoxylated (c1215)	68551-13- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOL ETHOXYLATES, PROPOXYLATED (C12-15)	Alcohol Ethoxylates, Propoxylated (c1215)	68551-13- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Alcohol ethoxylates, propoxylated (C12-15) branched and linear	Alcohol Ethoxylates, Propoxylated (c1215) Branched And Linear	120313-4 8-6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates, propoxylated (C6-10)	Alcohol Ethoxylates, Propoxylated (c610)	68987-81 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates, propoxylated (C6-12)	Alcohol Ethoxylates, Propoxylated (c612)	68937-66 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohol ethoxylates, propoxylated fumerated (C6-10)	Alcohol Ethoxylates, Propoxylated Fumerated (c610)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohols, C12-15-branched and linear, ethoxylated	Alcohols, C1215branched and linear, ethoxylated	106232-8 3-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOLS, C12-18, ETHOXYLATED PROPOXYLATED	Alcohols, C1218, ethoxylated propoxylated	69227-21- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohols, C13-15 branched and linear, butoxylated ethoxylated	Alcohols, C1315 Branched And Linear, Butoxylated Ethoxylated	111905-5 3-4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOLS, C16-18, ETHOXYLATED PROPOXYLATED	Alcohols, C1618, ethoxylated propoxylated	68002-96 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Alcohols, C16-22, ethoxylated	Alcohols, C1622, ethoxylated	69227-20 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALCOHOLS, C8-10, ETHOXYLATED PROPOXYLATED	Alcohols, C810, ethoxylated propoxylated	68603-25 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALDIOXA	Aluminum Compounds	5579-81- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALEURITES MOLUCCANA (KUKUI) SEED OIL	ALEURITES MOLUCCANA SEED OIL	8015-80- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	

ALGAE OLIGOSACCHARIDES Algoe and related 0 Based on a Cosmet of Drown algoe derived ingredients, EWG   restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substances   ALGAEOYL Algoe and related 0 Based on a Cosmet Type and arsenic; 3 ppm. lead;   PHYTOSPHINGOSINE Algoe and related 0 Based on a Cosmet Type and arsenic; 3 ppm.   ALGAIONE Algoe and related 0 Based on a Cosmet Type and arsenic; 3 ppm.   ALGAIN Algoe and related 0 Based on a Cosmet Type and arsenic; 3 ppm.   ALGIN Algoe and related 9005-38 Based on a Cosmet Type and arsenic; 3 ppm.   ALGIN Algoe and related 9005-38 Based on a Cosmet Type and arsenic; 3 ppm.   ALGIN Algoe and related 9005-38 Based on a Cosmet Type and arsenic; 3 ppm.   ALGIN ALGIN 9005-38 Based on a Cosmet Type and argenic; 10 ppm. metary; 1ppm, and argenic; 10 ppm.   ALGIN ALGIN 9005-38 Based on a cosmet Type and argenic; 10 ppm.   ALGIN ALGIN 9005-38 Based on a cosmet Type and argenic; 10 ppm.   ALGIN ALGIN 9005-32 The Cosmetic Ingredient Review found this subst
ALGAEOYL Algae and related Based on a Cosmetic Ingredient Review safety   PHYTOSPHINGOSINE substances Based on a Cosmetic Ingredient Review safety   assessment of brown algae derived ingredients, EWG ppm. Additionally, products formulated with this substance must meet international standards for heavy   ALGIN Algae and related \$005-38-   substances \$005-38-   assessment of brown algae derived ingredients, EWG   restricts the amount of iodine in the final product to 1   ppm. Additionally, products formulated with this   substances \$005-38-   Based on a Cosmetic Ingredient Review safety   assessment of brown algae derived ingredients, EWG   restricts the amount of iodine in the final product to 1   ppm. Additionally, products formulated with this   substances \$005-38-   Based on a Cosmetic Ingredient Review safety   ALGIN ALGIN   ALGIN \$005-38-   ALGINIC ACID ALGINIC ACID   Substance \$005-38-   The Cosmetic Ingredient Review found this substance   was safe as used up to a concentration of 50%.   ALGINIC ACID ALKANES, C14, C3RICH   Substance \$00622-55
ALGINAlgae and related substances9005-38- 3Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.ALGINALGIN9005-38- 3The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 50%.ALGIN C ACID9005-32- 7The Cosmetic Ingredient Review found this substance was safe as used up to a concentrations of use.ALKANES, C1-4, C3-RICHALGINC ACID9005-25- 7The European Commission bans this ingredient from use in cosmetics if it contains over 0.1% w/w ButadieneALKANES, C12-26-BRANCHED ANDAlkanes, C1226branched and linear90622-53 -0The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.Alkyl Ether Sulfates (C12-15, 1-3EO)Alkyl Ether Sulfates (C1215, 13EO)Alkyl Ether Sulfates (C1618,0Alkyl Ether Sulfates (C16-18,Alkyl Ether Sulfates (C1618,0The U.S. Food & Drug Administration has identified 14, dioxane cannot exceed 1 ppm in the final product.
ALGINALGIN9005-38- 3The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 50%.ALGINIC ACIDALGINIC ACID9005-32- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.ALKANES, C1-4, C3-RICHALKANES, C14, C3RICH90622-55The European Commission bans this ingredient from use in cosmetics if it contains over 0.1% w/w ButadieneALKANES, C12-26-BRANCHED AND LINEARAlkanes, C1226branched and linear90622-53The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.Alkyl Ether Sulfates (C12-15, 1-3EO)Alkyl Ether Sulfates (C1215, 13EO)0The U.S. Food & Drug Administration has identified 1,4 dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.Alkyl Ether Sulfates (C16-18, Alkyl Ether Sulfates (C1618, O0The U.S. Food & Drug Administration has identified
ALGINIC ACIDALGINIC ACID9005-32- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.ALKANES, C1-4, C3-RICHALKANES, C14, C3RICH90622-55 -2The European Commission bans this ingredient from use in cosmetics if it contains over 0.1% w/w ButadieneALKANES, C12-26-BRANCHED AND LINEARAlkanes, C1226branched and linear90622-53 -0The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.Alkyl Ether Sulfates (C12-15, 1-3EO)Alkyl Ether Sulfates (C1215, 13EO)0The U.S. Food & Drug Administration has identified 1,4 dioxane stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.Alkyl Ether Sulfates (C16-18, Alkyl Ether Sulfates (C1618,0The U.S. Food & Drug Administration has identified
ALKANES, C1-4, C3-RICHALKANES, C14, C3RICH90622-55 -2The European Commission bans this ingredient from use in cosmetics if it contains over 0.1% w/w ButadieneALKANES, C12-26-BRANCHED AND LINEARAlkanes, C1226branched and linear90622-53 -0The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.Alkyl Ether Sulfates (C12-15, 1-3EO)Alkyl Ether Sulfates (C1215, 13EO)0The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.Alkyl Ether Sulfates (C16-18, Alkyl Ether Sulfates (C1618, O0The U.S. Food & Drug Administration has identified the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.
ALKANES, C12-26-BRANCHED AND LINEARAlkanes, C1226branched and linear90622-53 -0The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.Alkyl Ether Sulfates (C12-15, 1-3EO)Alkyl Ether Sulfates (C1215, 13EO)0The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.Alkyl Ether Sulfates (C16-18,Alkyl Ether Sulfates (C1618,0The U.S. Food & Drug Administration has identified
Alkyl Ether Sulfates (C12-15, 1-3EO)Alkyl Ether Sulfates (C1215, 13EO)The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.Alkyl Ether Sulfates (C16-18, Alkyl Ether Sulfates (C1618,Alkyl Ether Sulfates (C1618, OThe U.S. Food & Drug Administration has identified
Alkyl Ether Sulfates (C16-18, Alkyl Ether Sulfates (C1618, 0 The U.S. Food & Drug Administration has identified
3-4EO) 34EO) 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.
Alkylphenol ethoxylates ALKYLPHENOL 0 The U.S. Food & Drug Administration has identified   1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.
ALLANTOIN Allantoin 97-59-6 The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.
ALLANTOIN ASCORBATE ALLANTOIN ASCORBATE 57448-83 The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.05%.
ALLIUM SATIVUM (GARLIC) ALLIUM SATIVUM (GARLIC) 0 EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen
ALLYL ALLYL 67634-01 The European Commission restricts the level of free allyl   2-METHYLBUTOXYACETATE 2METHYLBUTOXYACETATE -9 alcohol in the ester to less than 0.1%.
ALLYL Allyl Allyl 71500-37 The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.
ALLYL BUTYRATE ALLYL BUTYRATE 2051-78- The European Commission restricts the level of free allyl 7 alcohol in the ester to less than 0.1%
ALLYL CAPROATE ALLYL CAPROATE 123-68-2 The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALLYL CINNAMATE	ALLYL CINNAMATE	1866-31-5	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL CYCLOHEXYLACETATE	ALLYL CYCLOHEXYLACETATE	4728-82- 9	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL CYCLOHEXYLOXYACETATE	ALLYL CYCLOHEXYLOXYACETATE	68901-15 -5	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL CYCLOHEXYLPROPIONATE	ALLYL CYCLOHEXYLPROPIONATE	2705-87- 5	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL HEPTANOATE	ALLYL HEPTANOATE	142-19-8	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%	
ALLYL ISOVALERATE	Allyl isovalerate	2835-39- 4	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL METHACRYLATES CROSSPOLYMER	Allyl Methacrylates Crosspolymer	182212-4 1-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%; The CIR does not allow the use of this ingredient in cosmetic products when polymerized in benzene.	
ALLYL METHACRYLATES CROSSPOLYMER	ALLYL METHACRYLATES CROSSPOLYMER	182212-4 1-5	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ALLYL METHACRYLATES CROSSPOLYMER	ALLYL METHACRYLATES CROSSPOLYMER	182212-4 1-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be pop-irritating	
ALLYL NONANOATE	ALLYL NONANOATE	7493-72- 3	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL OCTANOATE	ALLYL OCTANOATE	4230-97- 1	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL PHENETHYL ETHER	Allyl phenethyl ether		The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL PHENOXYACETATE	ALLYL PHENOXYACETATE	7493-74- 5	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL PHENOXYACETATE	ALLYL PHENOXYACETATE	7493-74- 5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.03% in deodorants/antiperspirants, 0.11% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.32% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.17% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.51% in mouthwashes, breath sprays, and toothpastes, 0.05% in intimate wipes, and baby wipes, 0.7% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ALLYL PHENOXYACETATE	ALLYL PHENOXYACETATE	7493-74- 5	The International Fragrance Association restricts the level of free allylalcohol in the ester to a maximum concentration of less than 0.1%.	
ALLYL PHENOXYACETATE	ALLYL PHENOXYACETATE	7493-74- 5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.054% Category 2) 0.016% Category 3) 0.21% Category 4) 0.30% Category 5A) 0.076% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.025% Category 6) 0.18% Category 7A) 0.41% Category 7B) 0.41% Category 8) 0.025% Category 9) 0.59% Category 10A) 0.59% Category 10B) 1.7% Category 11A) 0.025% Category 11B) 0.025% Category 12) 52%; Allyl esters should only be used when the level of free Allyl alcohol in the ester is less than 0.1%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALLYL PHENOXYACETATE	ALLYL PHENOXYACETATE	7493-74- 5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.054% Category 2) 0.016% Category 3) 0.21% Category 4) 0.30% Category 5A) 0.076% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.025% Category 6) 0.18% Category 7A) 0.41% Category 7B) 0.41% Category 8) 0.025% Category 9) 0.59% Category 10A) 0.59% Category 10B) 1.7% Category 11A) 0.025% Category 11B) 0.025% Category 12) 52%; Allyl esters should only be used when the level of free Allyl alcohol in the ester is less than 0.1%	
ALLYL PHENYLACETATE	ALLYL PHENYLACETATE	1797-74- 6	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL PROPIONATE	ALLYL PROPIONATE	2408-20- 0	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALLYL TRIMETHYLHEXANOATE	Allyl trimethylhexanoate	68132-80 -9	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ALMOND OIL PEG-6 ESTERS	ALMOND OIL PEG-6 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ALMOND OIL PEG-6 ESTERS	Almond Oil Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALMOND OIL PEG-8 ESTERS	ALMOND OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ALMOND OIL PEG-8 ESTERS	Almond Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALMONDAMIDE DEA	ALMONDAMIDE DEA	124046-1 8-0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
ALMONDAMIDE DEA	ALMONDAMIDE DEA	124046-1 8-0	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
ALMONDAMIDE DEA	ALMONDAMIDE DEA	124046-1 8-0	The Cosmetic Ingredient Review restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
ALMONDAMIDOPROPYL BETAINE	ALMONDAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB)	
ALMONDAMIDOPROPYL DIMETHYLAMINE	Almondamidopropyl dimethylamine	0	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
ALOE ABORESCENS	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALOE ANDONGENSIS EXTRACT	ALOE ANDONGENSIS EXTRACT	84837-08 -1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE ANDONGENSIS EXTRACT	ALOE INGREDIENTS	84837-08 -1	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE ANDONGENSIS LEAF EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE ANDONGENSIS LEAF JUICE	ALOE ANDONGENSIS LEAF JUICE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE ANDONGENSIS LEAF JUICE	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE ARBORESCENS FLOWER EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE ARBORESCENS LEAF EXTRACT	ALOE ARBORESCENS LEAF EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE ARBORESCENS LEAF EXTRACT	ALOE BARBADENSIS FLOWER EXTRACT	0	The Cosmetic Ingredient Review restricts the anthraquinone content of this ingredient to less than 50 ppm. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE ARBORESCENS LEAF EXTRACT	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE ARBORESCENS LEAF EXTRACT	ALOE BARBADENSIS LEAF EXTRACT	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE ARBORESCENS LEAF EXTRACT	ALOE BARBADENSIS LEAF JUICE	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE ARBORESCENS LEAF EXTRACT	ALOE BARBADENSIS LEAF POLYSACCHARIDES	0	The Cosmetic Ingredient Review restricts the anthraquinone content of this ingredient to less than 50 ppm. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE ARBORESCENS LEAF EXTRACT	ALOE BARBADENSIS LEAF WATER	0	The Cosmetic Ingredient Review restricts the anthraquinone content of this ingredient to less than 50 ppm. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE ARBORESCENS LEAF EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE ARBORESCENS LEAF JUICE	ALOE ARBORESCENS LEAF JUICE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE ARBORESCENS LEAF JUICE	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE ARBORESCENS LEAF PROTOPLASTS	ALOE ARBORESCENS LEAF PROTOPLASTS	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE ARBORESCENS LEAF PROTOPLASTS	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALOE BARBADENSIS (ALOE VERA)	ALOE BARBADENSIS LEAF	8001-97- 6	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA)	ALOE INGREDIENTS	8001-97- 6	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) BUTTER	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) BUTTER	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) CELLULOSE	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) CELLULOSE	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) EXTRACT	ALOE BARBADENSIS LEAF EXTRACT	85507-69 -3	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) EXTRACT	ALOE INGREDIENTS	85507-69 -3	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) FLOWER EXTRACT	ALOE BARBADENSIS FLOWER EXTRACT	85507-69 -3	The Cosmetic Ingredient Review restricts the anthraquinone content of this ingredient to less than 50 ppm. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE BARBADENSIS (ALOE VERA) FLOWER EXTRACT	ALOE INGREDIENTS	85507-69 -3	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) LEAF EXTRACT	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) LEAF EXTRACT	ALOE BARBADENSIS LEAF EXTRACT	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) LEAF EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) LEAF JUICE	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) LEAF JUICE	ALOE BARBADENSIS LEAF JUICE	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) LEAF JUICE	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) LEAF JUICE (decolorized)	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) LEAF JUICE (decolorized)	ALOE BARBADENSIS LEAF JUICE	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) LEAF JUICE (decolorized)	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALOE BARBADENSIS (ALOE VERA) LEAF JUICE POWDER	ALOE BARBADENSIS LEAF JUICE	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) LEAF JUICE POWDER	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) OIL	ALOE BARBADENSIS LEAF JUICE	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) OIL	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) OIL EXTRACT	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) OIL EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS (ALOE VERA) ROOT EXTRACT	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS (ALOE VERA) ROOT EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS LEAF POLYSACCHARIDES	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS LEAF POLYSACCHARIDES	ALOE BARBADENSIS LEAF POLYSACCHARIDES	0	The Cosmetic Ingredient Review restricts the anthraquinone content of this ingredient to less than 50 ppm. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE BARBADENSIS LEAF POLYSACCHARIDES	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS LEAF POWDER	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
ALOE BARBADENSIS LEAF POWDER	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE BARBADENSIS LEAF WATER	ALOE BARBADENSIS LEAF WATER	0	The Cosmetic Ingredient Review restricts the anthraquinone content of this ingredient to less than 50 ppm. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE BARBADENSIS LEAF WATER	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE EXTRACT, LIPID FRACTION	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE FEROX (CAPE ALOE) EXTRACT	ALOE FEROX LEAF EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE FEROX (CAPE ALOE) EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE FEROX (CAPE ALOE) LEAF EXTRACT	ALOE FEROX LEAF EXTRACT	84649-82 -1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALOE FEROX (CAPE ALOE) LEAF EXTRACT	ALOE INGREDIENTS	84649-82 -1	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE FEROX LEAF JUICE	ALOE FEROX LEAF JUICE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE FEROX LEAF JUICE	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE FEROX LEAF JUICE EXTRACT	ALOE FEROX LEAF JUICE EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE FEROX LEAF JUICE EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE FEROX LEAF JUICE POWDER	ALOE FEROX LEAF EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
ALOE FEROX LEAF JUICE POWDER	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
Aloe Maculata Leaf Extract	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
Aloe Maculata Leaf Extract	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE PERRYI EXTRACT	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE YOHJU MATSU EKISU	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE YOHJYU MATSU	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOE, POWDERED	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
ALOYSIA TRIPHYLLA (LEMON VERBENA)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ALOYSIA TRIPHYLLA (LEMON VERBENA)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALOYSIA TRIPHYLLA (LEMON VERBENA) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALOYSIA TRIPHYLLA (LEMON VERBENA) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALOYSIA TRIPHYLLA (LEMON VERBENA) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALOYSIA TRIPHYLLA (LEMON VERBENA) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALOYSIA TRIPHYLLA (LEMON VERBENA) HYDROSOL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALOYSIA TRIPHYLLA (LEMON VERBENA) HYDROSOL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALOYSIA TRIPHYLLA (LEMON VERBENA) LEAF OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALOYSIA TRIPHYLLA (LEMON VERBENA) LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALOYSIA TRIPHYLLA (LEMON VERBENA) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ALOYSIA TRIPHYLLA (LEMON VERBENA) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ALPHA HYDROXY ACIDS	ALPHA HYDROXY ACIDS	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
ALPHA HYDROXY ACIDS	ALPHAHYDROXYACIDS	0	Health Canada restricts this ingredient to a maximum concentration of 10% and a minimum pH of 3.5. Additionally, preparations containing concentrations of AHAs between 10% and 30% or a pH between 3.0 to 3.5 may be permitted for professional use if the manufacturer provides Health Canada with evidence of their safety including pH levels, AHA concentrations, directions for use, and clinical studies demonstrating minimal skin irritation. Preparations intended to be diluted in bath water may contain levels of citric acid exceeding 10%. Required Warning: Health Canada requires the following on the product label/package in all skin products containing AHAs at concentrations equal to or greater than 3%: 'Use only as directed'; 'Avoid contact with the eyes'; 'If irritation persists, discontinue use and consult a physician'; 'It is recommended that prior to exposure to the sun, users cover areas where AHAs have been applied with sunscreen'; 'Contact of the product with the skin must be of limited frequency or duration.'	
alpha-1-(2,6,6-Trimethyl-2-cy clohexen-1-yl)-2-buten-1-one	alpha-1-(2,6,6-Trimethyl-2-c yclohexen-1-yl)-2-buten-1-o ne	43052-87 -5	The European Commission restricts this ingredient to a maximum concentration is 0.02% in all nonoral products. The presence of the substance or substances shall be indicated in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products and 0.01% in rinse-off products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
alpha-1-(2,6,6-Trimethyl-2-cy clohexen-1-yl)-2-buten-1-one	Rose ketones	43052-87 -5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
alpha-1-(2,6,6-Trimethyl-2-cy clohexen-1-yl)-2-buten-1-one	Rose ketones	43052-87 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
alpha-CEDRENE	Cedrene	469-61-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	
ALPHA-DAMASCONE	ALPHADAMASCONE	23726-94 -5	The European Commission restricts this ingredient to a maximum concentration of 0.02% in nonoral products.	
ALPHA-DAMASCONE	Rose ketones	23726-94 -5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ALPHA-DAMASCONE	Rose ketones	23726-94 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
ALPHA-ISOMETHYL IONONE	alphaISOMETHYL IONONE	127-51-5	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALPHA-ISOMETHYL IONONE	Methyl ionone, mixed isomers	127-51-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 2% in lip products, 2.59% in deodorants/antiperspirants, 10.56% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 31.67% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 16.67% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 50.72% in mouthwashes, breath sprays, and toothpastes, 5.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ALPHA-ISOMETHYL IONONE	Methyl ionone, mixed isomers	127-51-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 5.4% Category 2) 1.6% Category 3) 32% Category 4) 30% Category 5A) 7.6% Category 5B) 7.6% Category 5C) 7.6% Category 5D) 7.6% Category 6) 18% Category 7A) 61% Category 7B) 61% Category 8) 3.2% Category 9) 59% Category 10A) 100% Category 10B) 100% Category 11A) 100% Category 11B) 100% Category 12) No Restriction; A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	
alpha-METHYL-alpha-IONON E	Methyl ionone, mixed isomers	127-42-4	The International Fragrance Association restricts this ingredient to a maximum concentration of 2% in lip products, 2.59% in deodorants/antiperspirants, 10.56% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 31.67% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 16.67% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 50.72% in mouthwashes, breath sprays, and toothpastes, 5.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
alpha-METHYL-alpha-IONON E	Methyl ionone, mixed isomers	127-42-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 5.4% Category 2) 1.6% Category 3) 32% Category 4) 30% Category 5A) 7.6% Category 5B) 7.6% Category 5C) 7.6% Category 5D) 7.6% Category 6) 18% Category 7A) 61% Category 7B) 61% Category 8) 3.2% Category 9) 59% Category 10A) 100% Category 10B) 100% Category 11A) 100% Category 11B) 100% Category 12) No Restriction; A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
alpha-METHYL-beta-IONONE	Methyl ionone, mixed isomers	127-43-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 2% in lip products, 2.59% in deodorants/antiperspirants, 10.56% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 31.67% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 16.67% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 50.72% in mouthwashes, breath sprays, and toothpastes, 5.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
alpha-METHYL-beta-IONONE	Methyl ionone, mixed isomers	127-43-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 5.4% Category 2) 1.6% Category 3) 32% Category 4) 30% Category 5A) 7.6% Category 5B) 7.6% Category 5C) 7.6% Category 5D) 7.6% Category 6) 18% Category 7A) 61% Category 7B) 61% Category 8) 3.2% Category 9) 59% Category 10A) 100% Category 10B) 100% Category 11A) 100% Category 11B) 100% Category 12) No Restriction; A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	
alpha-PINENES	2,6,6-Trimethylbi- cyclo[3.1.1]hept- 2-ene (alpha-Pinene); 6,6-Dimethyl- 2-methylenebicyclo [3.1.1]heptane (beta- Pinene); alpha-PINENES	80-56-8	The presence of the substance or the substances shall be indicated in the list of ingredients when the concentration of the substance or the substances exceeds: 0.001% in leave-on products or 0.01% in rinse-off products. The peroxide value shall be less than 10 mmoles/L	
alpha-PINENES	ALPHAPINENES	80-56-8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L	
alpha-TERPINENE	ALPHATERPINENE	99-86-5	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
alpha-TERPINENE	p-Mentha-1,3-diene	99-86-5	The presence of the alpha-PINENES or beta-PINENES shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products and 0.01% in rinse-off products. The peroxide value for each substance shall be less than 10 mmoles/L	
ALPHA-TOCOPHEROL PHOSPHATE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
alpha,2,2,3-tetramethylcyclop ent-3-ene-1-butyraldehyde	a,2,2,3Tetramethylcyclopent 3ene1butyraldehyde	65114-03 -6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.038 % Category 2) 0.011 % Category 3) 0.23 % Category 4) 0.21 % Category 5A) 0.054 % Category 5B) 0.054 % Category 5C) 0.054 % Category 5D) 0.054 % Category 6) 0.13 % Category 7A) 0.44 % Category 7B) 0.44 % Category 8) 0.023 % Category 9) 0.42 % Category 10A) 1.5 % Category 10B) 1.5 % Category 11A) 0.83 % Category 11B) 0.83 % Category 12) No Restriction	
ALUMINA	Aluminum Compounds	1344-28- 1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINA	Aluminum Oxide	1344-28- 1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINA MAGNESIUM METASILICATE	ALUMINA MAGNESIUM METASILICATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.01%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINA MAGNESIUM METASILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINA MAGNESIUM METASILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINATE (1-), TETRAHYDRO-, SODIUM	Aluminum Compounds	13770-96 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINATE(1-), (CARBONATO(2-)-KAPPAO,K APPAO')DIHYDROXY-, SODIUM, (T-4)-	Aluminum Compounds	16482-55 -6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINATE(1-), BIS(OXOBUTANEDIOATE(2-)- O1,O2)-, HYDROGEN, (T-4)-	Aluminum Compounds	65636-59 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINATE(3-), HEXAFLUORO-, TRIAMMONIUM	Aluminum Compounds	7784-19- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINIUM LITHIUM HYDRIDE	Aluminum Compounds	16853-85 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINIUM-TRI-ISOPROPO XIDE	Aluminum Compounds	555-31-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
aluminum	Aluminum		EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
aluminum	Aluminum		Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ACETATE	Aluminum Compounds	139-12-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ACETATE SOLUTION	Aluminum Compounds	8006-13- 1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ACYL GLUTAMATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM BARIUM TITANIUM OXIDE	Aluminum Compounds	52869-91 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM BEHENATE	Aluminum Compounds	18990-72 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM BENZOATE	Aluminum Compounds	555-32-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM BENZOATE	Benzoate	555-32-8	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
ALUMINUM BROMIDE	Aluminum Compounds	7727-15-3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM BROMOHYDRATE	Aluminum Compounds	12794-92 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM BUTOXIDE	Aluminum Compounds	2269-22- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CALCIUM IRON MAGNESIUM POTASSISUM OXIDE SILICATE	Aluminum Compounds	181659-1 4-3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CALCIUM IRON MAGNESIUM POTASSISUM OXIDE SILICATE	Silica, amorphous; silicate; borosilicate	181659-1 4-3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINUM CALCIUM IRON MAGNESIUM POTASSISUM OXIDE SILICATE	Silica, amorphous; silicate; borosilicate	181659-1 4-3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINUM CALCIUM SODIUM SILICATE	ALUMINUM CALCIUM SODIUM SILICATE	1344-01- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
ALUMINUM CALCIUM SODIUM SILICATE	Aluminum Compounds	1344-01- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CALCIUM SODIUM SILICATE	CLAYS AND MINERALS	1344-01- 0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
ALUMINUM CALCIUM SODIUM SILICATE	Silica, amorphous; silicate; borosilicate	1344-01- 0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINUM CALCIUM SODIUM SILICATE	Silica, amorphous; silicate; borosilicate	1344-01- 0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINUM CAPRYLATE	Aluminum Compounds	6028-57- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CAPRYLOYL HYDROLYZED COLLAGEN	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLORHYDRATE COMPLEX	Aluminum Compounds	1327-41-9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLORIDE	Aluminum Chloride	7446-70- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLORIDE	Aluminum Compounds	7446-70- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM CHLORIDE	ALUMINUMCHLORIDE	7446-70- 0	Health Canada restricts this ingredient to a maximum concentration of 15% calculated as aluminum chloride hexahydrate. Additionally, deodorant and antiperspirant cosmetics containing aluminum chloride are not permitted in aerosol dispensers, must be in the form of an aqueous solution, and cannot be combined with aluminum chlorohydrate or its associated complexes or aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
ALUMINUM CHLORIDE OXIDE	Aluminum Compounds	13596-11- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLORIDE, HEXAHYDRATE	Aluminum Compounds	7784-13- 6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLOROHYDRATE	Aluminum Compounds	12042-91 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLOROHYDRATE	ALUMINUMCHLOROHYDR ATE	12042-91 -0	Health Canada restricts this ingredient to a maximum concentration of 25% (calculated as the anhydrous form). Additionally, it cannot be combined with aluminum chloride, other aluminum chlorohydrate complexes or aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'. Additionally, if the product comes as an aerosol the following must also be labeled: 'Keep away from face to avoid inhalation and spraying in the eyes'; 'Keep out of reach of children'.	
ALUMINUM CHLOROHYDREX	Aluminum Compounds	53026-85 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLOROHYDREX PEG	Aluminum Chlorohydrex Peg	173762-8 1-7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALUMINUM CHLOROHYDREX PEG	Aluminum Compounds	173762-8 1-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLOROHYDREX PG	Aluminum Compounds	173762-8 2-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CHLOROHYDREX PROPYLENE GLYCOL	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM CITRATE	Aluminum Compounds	31142-56- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DIACETATE	Aluminum Compounds	142-03-0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DIBENZOATE/STEARATE HYDROXIDE	Aluminum Compounds	94166-87 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DICETYL PHOSPHATE	Aluminum Compounds	26527-54 -8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DICHLOROHYDRATE	Aluminum Compounds	10284-64 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM DICHLOROHYDREX PEG	Aluminum Compounds	173720-8 0-4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DICHLOROHYDREX PEG	Aluminum Dichlorohydrex Peg	173720-8 0-4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALUMINUM DICHLOROHYDREX PG	Aluminum Compounds	180324-8 3-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DILINOLEATE	Aluminum Compounds	53202-37 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DILINOLEATE	ALUMINUM DILINOLEATE	53202-37 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ALUMINUM DIMYRISTATE	Aluminum Compounds	56639-51 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DIMYRISTATE	ALUMINUM DIMYRISTATE	56639-51 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
ALUMINUM DISTEARATE	Aluminum Compounds	300-92-5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM DISTEARATE	ALUMINUM DISTEARATE	300-92-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
ALUMINUM FLUORIDE	Aluminum Compounds	7784-18- 1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM FLUORIDE	ALUMINUM FLUORIDE	7784-18-	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains aluminium fluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
ALUMINUM FLUOROSULFATE, HYDRATE	Aluminum Compounds	73680-58 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM GLYCINATE	Aluminum Compounds	13682-92 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM HYDRATE	Aluminum Compounds	21645-51 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM HYDRIDE	Aluminum Compounds	7784-21- 6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM HYDROGENATED TALLOW GLUTAMATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM HYDROXIDE	Aluminum Compounds	21645-51 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM HYDROXIDE OXIDE	Aluminum Compounds	24623-77 -6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM IRON SILICATES	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM IRON SILICATES	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINUM IRON SILICATES	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINUM ISOSTEARATE	Aluminum Compounds	72277-75 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ISOSTEARATE	ALUMINUM ISOSTEARATE	72277-75 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ALUMINUM ISOSTEARATES/LAURATES/ PALMITATES	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ISOSTEARATES/LAURATES/ PALMITATES	ALUMINUM ISOSTEARATES/LAURATES /PALMITATES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ALUMINUM ISOSTEARATES/LAURATES/ STEARATES	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ISOSTEARATES/LAURATES/ STEARATES	ALUMINUM ISOSTEARATES/LAURATES /STEARATES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ALUMINUM ISOSTEARATES/MYRISTATES	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ISOSTEARATES/MYRISTATES	ALUMINUM ISOSTEARATES/MYRISTAT ES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ALUMINUM ISOSTEARATES/PALMITATES	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ISOSTEARATES/PALMITATES	ALUMINUM ISOSTEARATES/PALMITAT ES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ALUMINUM ISOSTEARATES/STEARATES	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ISOSTEARATES/STEARATES	ALUMINUM ISOSTEARATES/STEARATE S	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ALUMINUM ISOSTEARYL GLYCERYL PHOSPHATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM LANOLATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM LANOLATE	ALUMINUM LANOLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ALUMINUM LAURATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM MAGNESIUM OXIDE	Aluminum Compounds	11137-98- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM METHIONATE	Aluminum Compounds	52667-15 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	-
ALUMINUM MYRISTATE	Aluminum Compounds	4040-50- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM MYRISTATE	ALUMINUM MYRISTATE	4040-50- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ALUMINUM MYRISTATES/PALMITATES	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM MYRISTATES/PALMITATES	ALUMINUM MYRISTATES/PALMITATES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ALUMINUM MYRISTATES/PALMITATES	ALUMINUM MYRISTATESPALMITATES	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
aluminum oxide	Aluminum Compounds		Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM PCA	Aluminum Compounds	59792-81 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM PHENOLSULFONATE	Aluminum Compounds	1300-35- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM SESQUICHLOROHYDRATE	Aluminum Compounds	11097-68 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM SESQUICHLOROHYDREX PEG	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM SESQUICHLOROHYDREX PEG	Aluminum Sesquichlorohydrex Peg	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALUMINUM SESQUICHLOROHYDREX PG	Aluminum Compounds	173763-1 6-1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM SILICATE	Aluminum Compounds	1318-74-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM SILICATE	ALUMINUM SILICATE	1318-74-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4.6% (up to 37% in dentifrices).	
ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	1318-74-7	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	1318-74-7	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ALUMINUM SODIUM OXIDE	Aluminum Compounds	11138-49- 1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM STARCH OCTENYLSUCCINATE	Aluminum Compounds	9087-61- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM STARCH OCTENYLSUCCINATE	ALUMINUM STARCH OCTENYLSUCCINATE	9087-61- 0	The Cosmetic Ingredient Review Expert Panel concluded this ingredient is safe as used at concentrations < 30%	
ALUMINUM STEARATE	Aluminum Compounds	637-12-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM STEARATE	ALUMINUM STEARATE	637-12-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
ALUMINUM STEARATE	ALUMINUM STEARATE	637-12-7	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <3.4%	
ALUMINUM STEAROYL GLUTAMATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM SUCROSE OCTASULFATE	Aluminum Compounds	54182-58 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM SULFATE	Aluminum Compounds	10043-01 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM TRIFORMATE	Aluminum Compounds	7360-53- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM TRIPHOSPHATE	Aluminum Compounds	13939-25- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM TRISTEARATE	Aluminum Compounds	637-12-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM TRISTEARATE	ALUMINUM TRISTEARATE	637-12-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
ALUMINUM TRISTEARATE/TRISIISOSTE ARATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM UNDECYLENOYL COLLAGEN AMINO ACIDS	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ZINC OXIDE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ZIRCONIUM OCTACHLOROHYDRATE	Aluminum Compounds	98106-55 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ZIRCONIUM OCTACHLOROHYDRATE	ALUMINUM ZIRCONIUM OCTACHLOROHYDRATE	98106-55 -9	The European Commission restricts this ingredient to a maximum concentration of 20% as anhydrous aluminium zirconium chloride hydroxide and 5.4% as zirconium. Additionally, the ratio of the number of aluminium atoms to that of zirconium atoms must be between 2 and 10, the ratio of the number of (Al+Zr) atoms to that of chlorine atoms must be between 0.9 and 2.1, and the substance cannot be used in aerosols dispensers (sprays). Required Warning: The European Commission requires the following warning text on the product label/package: 'Do not apply to irritated or damaged skin'	

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ALUMINUM ZIRCONIUM OCTACHLOROHYDRATE	ALUMINUMZIRCONIUM	98106-55 -9	Health Canada restricts this ingredient to a maximum concentration of 20% (calculated as the anhydrous form). Additionally, it cannot be used in aerosol dispensers and be combined with aluminum chloride, aluminum chlorohydrate or its associated complexes or other aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
ALUMINUM ZIRCONIUM PENTACHLOROHYDRATE	Aluminum Compounds	173762-8 3-9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ZIRCONIUM PENTACHLOROHYDRATE	ALUMINUM ZIRCONIUM PENTACHLOROHYDRATE	173762-8 3-9	The European Commission restricts this ingredient to a maximum concentration of 20% as anhydrous aluminium zirconium chloride hydroxide and 5.4% as zirconium. Additionally, the ratio of the number of aluminium atoms to that of zirconium atoms must be between 2 and 10, the ratio of the number of (Al+Zr) atoms to that of chlorine atoms must be between 0.9 and 2.1, and the substance cannot be used in aerosols dispensers (sprays). Required Warning: The European Commission requires the following warning text on the product label/package: 'Do not apply to irritated or damaged skin'	
ALUMINUM ZIRCONIUM PENTACHLOROHYDRATE	ALUMINUMZIRCONIUM	173762-8 3-9	Health Canada restricts this ingredient to a maximum concentration of 20% (calculated as the anhydrous form). Additionally, it cannot be used in aerosol dispensers and be combined with aluminum chloride, aluminum chlorohydrate or its associated complexes or other aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
ALUMINUM ZIRCONIUM TETRACHLOROHYDRATE	Aluminum Compounds	57158-29 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ZIRCONIUM TETRACHLOROHYDRATE	ALUMINUM ZIRCONIUM TETRACHLOROHYDRATE	57158-29 -9	The European Commission restricts this ingredient to a maximum concentration of 20% as anhydrous aluminium zirconium chloride hydroxide and 5.4% as zirconium. Additionally, the ratio of the number of aluminium atoms to that of zirconium atoms must be between 2 and 10, the ratio of the number of (Al+Zr) atoms to that of chlorine atoms must be between 0.9 and 2.1, and the substance cannot be used in aerosols dispensers (sprays). Required Warning: The European Commission requires the following warning text on the product label/package: 'Do not apply to irritated or damaged skin'	
ALUMINUM ZIRCONIUM TETRACHLOROHYDRATE	ALUMINUMZIRCONIUM	57158-29 -9	Health Canada restricts this ingredient to a maximum concentration of 20% (calculated as the anhydrous form). Additionally, it cannot be used in aerosol dispensers and be combined with aluminum chloride, aluminum chlorohydrate or its associated complexes or other aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX	ALUMINUMZIRCONIUM	0	Health Canada restricts this ingredient to a maximum concentration of 20% (calculated as the anhydrous form). Additionally, it cannot be used in aerosol dispensers and be combined with aluminum chloride, aluminum chlorohydrate or its associated complexes or other aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PEG	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PEG	ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PEG	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PEG	ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PEG	0	The European Commission restricts this ingredient to a maximum concentration of 20% as anhydrous aluminium zirconium chloride hydroxide and 5.4% as zirconium. Additionally, the ratio of the number of aluminium atoms to that of zirconium atoms must be between 2 and 10, the ratio of the number of (Al+Zr) atoms to that of chlorine atoms must be between 0.9 and 2.1, and the substance cannot be used in aerosols dispensers (sprays). Required Warning: The European Commission requires the following warning text on the product label/package: 'Do not apply to irritated or damaged skin'	
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PEG	ALUMINUMZIRCONIUM	0	Health Canada restricts this ingredient to a maximum concentration of 20% (calculated as the anhydrous form). Additionally, it cannot be used in aerosol dispensers and be combined with aluminum chloride, aluminum chlorohydrate or its associated complexes or other aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PG	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PG	ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PG	0	The European Commission restricts this ingredient to a maximum concentration of 20% as anhydrous aluminium zirconium chloride hydroxide and 5.4% as zirconium. Additionally, the ratio of the number of aluminium atoms to that of zirconium atoms must be between 2 and 10, the ratio of the number of (Al+Zr) atoms to that of chlorine atoms must be between 0.9 and 2.1, and the substance cannot be used in aerosols dispensers (sprays). Required Warning: The European Commission requires the following warning text on the product label/package: 'Do not apply to irritated or damaged skin'	
ALUMINUM ZIRCONIUM TETRACHLOROHYDREX PG	ALUMINUMZIRCONIUM	0	Health Canada restricts this ingredient to a maximum concentration of 20% (calculated as the anhydrous form). Additionally, it cannot be used in aerosol dispensers and be combined with aluminum chloride, aluminum chlorohydrate or its associated complexes or other aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
ALUMINUM ZIRCONIUM TRICHLOROHYDRATE	Aluminum Compounds	98106-53 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM ZIRCONIUM TRICHLOROHYDRATE	ALUMINUM ZIRCONIUM TRICHLOROHYDRATE	98106-53 -7	The European Commission restricts this ingredient to a maximum concentration of 20% as anhydrous aluminium zirconium chloride hydroxide and 5.4% as zirconium. Additionally, the ratio of the number of aluminium atoms to that of zirconium atoms must be between 2 and 10, the ratio of the number of (Al+Zr) atoms to that of chlorine atoms must be between 0.9 and 2.1, and the substance cannot be used in aerosols dispensers (sprays). Required Warning: The European Commission requires the following warning text on the product label/package: 'Do not apply to irritated or damaged skin'	
ALUMINUM ZIRCONIUM TRICHLOROHYDRATE	ALUMINUMZIRCONIUM	98106-53 -7	Health Canada restricts this ingredient to a maximum concentration of 20% (calculated as the anhydrous form). Additionally, it cannot be used in aerosol dispensers and be combined with aluminum chloride, aluminum chlorohydrate or its associated complexes or other aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
ALUMINUM, ((2,2',2''-NITRILOTRIS(ETHA NOLATO))(3-)-N,O,O',O'')-, (T-4)	Aluminum Compounds	21863-06 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, (GLYCINATO-N,O)DIHYDROX Y-, (T-4)-, MIXT. WITH 2-(ACETYLOXY)BENZOIC ACID AND	Aluminum Compounds	53664-49 -6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, (MU-(ETHANEDIOATE(2-)-KA PPAO1,KAPPAO2':KAPPAO1',K APPAO2))BIS(ETHANEDIOAT O(2-)-	Aluminum Compounds	814-87-9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, (MU-3-((3-BETA,20-BETA)-20- CARBOXY-11-OXO-30-NOROL EAN-12-EN-3-YL 4-O-BETA-D-	Aluminum Compounds	134771-7 3-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, (N,N-BIS(CARBOXYMETHYL) GLYCINATO(3-)-N,O,O',O'')-	Aluminum Compounds	19010-73 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, BIS(2-(4-CHLOROPHENOXY- KAPPAO)-2-METHYLPROPAN OATEO-KAPPAO)HYDROXY-	Aluminum Compounds	24818-79 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, BIS(5-(4-CHLOROBUTOXY)PI COLINATO)HYDROXY-	Aluminum Compounds	89743-24 -8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, BIS(5-(P-CHLOROPHENOXY) PICOLINATO)HYDROXY-	Aluminum Compounds	89743-23 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, CHLORODIETHYL-	Aluminum Compounds	96-10-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, CHLORODIISOBUTYL-	Aluminum Compounds	1779-25- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, DICHLOROETHYL-	Aluminum Compounds	563-43-9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, DIISOBUTYLHYDRO-	Aluminum Compounds	1191-15-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, HYDROXYBIS(SALICYLIC ACID ACETATO)-	Aluminum Compounds	23413-80 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ALUMINUM, HYDROXYCHLORO(ALLANTO INATO)-	Aluminum Compounds	2626-68- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, PENTAKIS(N(SUP 2)-ACETYL-L-GLUTAMINATO) TETRAHYDROXYTRI-	Aluminum Compounds	12607-92 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIBROMOTRIMETHYLDI-	Aluminum Compounds	12263-85 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRICHLOROTRIETHYLDI-	Aluminum Compounds	12075-68 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRICHLOROTRIMETHYLDI-	Aluminum Compounds	12542-85 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIETHYL-	Aluminum Compounds	97-93-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIISOBUTYL-	Aluminum Compounds	100-99-2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIMETHYL-	Aluminum Compounds	75-24-1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIPROPYL-	Aluminum Compounds	102-67-0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIS(2,4-PENTANEDIONATO) -	Aluminum Compounds	13963-57- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIS(3-(1-METHYL-2-PYRROL IDINYL)PYRIDINE-N(SUP 1))TRIS(2,4,6-TRINITROPHE NOLATO-	Aluminum Compounds	64092-15 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIS(3-HYDROXY-2-METHYL- 4H-PYRAN-4-ONATO-O(3),O( 4))-, (OC-6-21)-	Aluminum Compounds	103616-1 7-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIS(8-QUINOLINATO-N1,08 )-	Aluminum Compounds	2085-33- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIS(DIETHYLDITHIOCARBA MATO)-	Aluminum Compounds	110975-1 3-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIS(DIMETHYLDITHIOCAR BAMATO)-	Aluminum Compounds	60955-53 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM, TRIS(N-(ALPHA,ALPHA,ALPH A-TRIFLUORO-M-TOLYL)ANT HRANILATO)-	Aluminum Compounds	16449-54 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM(111) NITRATE (1:3)	Aluminum Compounds	13473-90 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM(III) NITRATE, NONAHYDRATE (1:3:9)	Aluminum Compounds	7784-27- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ALUMINUM/ MAGNESIUM HYDROXIDE STEARATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMETHYST	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMETHYST	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMETHYST EXTRACT	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMETHYST EXTRACT	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMETHYST POWDER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMETHYST POWDER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMIDES, C12-14, N,N-BIS(HYDROXYETHYL)-	AMIDES, C1214, N,NBIS(HYDROXYETHYL)	97926-10 -8	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMIDES, C12-14, N,N-BIS(HYDROXYETHYL)-	LAURAMIDE/MYRISTAMID E DEA	97926-10 -8	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
Amidopropyl Betaines	Amidopropyl Betaines	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
AMINES, C12-14-TERT-ALKYL, ETHOXYLATED	Amines, C1214tertalkyl, ethoxylated	73138-27- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Amines, C12-14-tert-alkyl, ethoxylated propoxylated	Amines, C1214tertalkyl, ethoxylated propoxylated	68603-58 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMINES, TALLOW ALKYL, ETHOXYLATED	Amines, tallow alkyl, ethoxylated	61791-44 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMINOETHYLPROPANEDIOL -ACRYLATES/ACRYLAMI DE COPOLYMER	AMINOETHYLPROPANEDI OLACRYLATES/ACRYLAMI DE COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
AMINOMETHYL PROPANEDIOL	AMINOMETHYL PROPANEDIOL	115-69-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
AMINOMETHYL PROPANEDIOL	AMINOMETHYL PROPANEDIOL	115-69-5	The Cosmetic Ingredient Review found this substance	
AMINOMETHYL PROPANOL	AMINOMETHYL PROPANOL	124-68-5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMINOMETHYL PROPANOL	AMINOMETHYL PROPANOL	124-68-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
AMINOMETHYL PROPANOL	AMINOMETHYL PROPANOL	124-68-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
AMINOPROPYL DIMETHICONE	AMINOPROPYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
AMINOPROPYL PHENYL TRIMETHICONE	AMINOPROPYL PHENYL TRIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
AMINOPROPYL TOCOPHERYL PHOSPHATE	TOCOPHERYL ACETATE	348099-4 9-0	This ingredient should not contain detectable levels of hydroquinone.	
AMMONIA GAS	Ammonia	7664-41- 7	The European Commission restricts this ingredient to a maximum concentration of 6% (as NH3). Required Warning: The European Commission requires the following warning text on the product label/package if the ingredient is above 2%: 'Contains ammonia'	
AMMONIA GAS	Ammonia Gas	7664-41- 7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
AMMONIUM ACRYLATES COPOLYMER	AMMONIUM ACRYLATES COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMMONIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	AMMONIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
AMMONIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	AMMONIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
AMMONIUM ACRYLOYLDIMETHYLTAURAT E/BEHENETH-25 METHACRYLATE CROSSPOLYMER	Ammonium Acryloyldimethyltaurate/Be heneth25 Methacrylate Crosspolymer	683748-1 2-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
AMMONIUM ACRYLOYLDIMETHYLTAURAT E/LAURETH-7 METHACRYLATE COPOLYMER	Ammonium Acryloyldimethyltaurate/la ureth7 Methacrylate Copolymer	683748-0 7-4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM ACRYLOYLDIMETHYLTAURAT E/STEARETH-25 METHACRYLATE CROSSPOLYMER	Ammonium Acryloyldimethyltaurate/St eareth25 Methacrylate Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%	
Ammonium Acryloyldimethyltaurate/VP Copolymer	Ammonium Acryloyldimethyltaurate/V P Copolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
AMMONIUM ALGINATE	AMMONIUM ALGINATE	9005-34- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
AMMONIUM ALUM	Aluminum Compounds	7784-25- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMMONIUM BENZOATE	Benzoate	1863-63- 4	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
AMMONIUM BISULFITE	AMMONIUM BISULFITE	10192-30 -0	The European Commission restricts this ingredient to a maximum concentration of 0.67% (as free SO2) in oxidative hair dyes, 6.7% (as free SO2) in hair straightening products, 0.45% (as free SO2) in selftanning face products, and 0.40% (as free SO2) in other selftanning products. For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent on the product label.	
AMMONIUM CASEINATE	AMMONIUM CASEINATE	9005-42- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
AMMONIUM COCOYL ISETHIONATE	Ammonium Cocoyl Isethionate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 45%.	
AMMONIUM COCOYL SARCOSINATE	AMMONIUM COCOYL SARCOSINATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, it cannot be used in products where Nnitroso compounds may be formed.	
AMMONIUM DIMETHICONE PEG-7 SULFATE	Ammonium Dimethicone Peg7 Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMMONIUM FLUORIDE	ammonium fluoride	12125-01- 8	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains ammonium fluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
AMMONIUM FLUOROSILICATE	AMMONIUM FLUOROSILICATE	16919-19- 0	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains ammonium fluorosilicate'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
AMMONIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	16919-19- 0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMMONIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	16919-19- 0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMMONIUM GLYCOLATE	AMMONIUM GLYCOLATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
AMMONIUM GLYCYRRHIZATE	AMMONIUM GLYCYRRHIZATE	53956-04 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, toxic metals and heavy metals.	
AMMONIUM HYDROLYZED COLLAGEN	AMMONIUM HYDROLYZED COLLAGEN	68951-88 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
AMMONIUM HYDROXIDE	Ammonia Solution (10%)	1336-21-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMMONIUM HYDROXIDE	Ammonia Solution (29%)	1336-21-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMMONIUM HYDROXIDE	Ammonia Solution, NOS	1336-21-6	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
AMMONIUM HYDROXIDE	Ammonium Hydroxide, NOS	1336-21-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMMONIUM HYDROXIDE	AMMONIUM HYDROXIDE	1336-21-6	The European Commission restricts this ingredient to a maximum concentration of 6% (as NH3). Required Warning: The European Commission requires the following warning text on the product label/package if the ingredient is above 2%: 'Contains ammonia'	
AMMONIUM HYDROXIDE	AMMONIUM HYDROXIDE	1336-21-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used in hair dyes and colors and in cosmetics when formulated to be nonirritating	
AMMONIUM HYDROXIDE	AMMONIUM HYDROXIDE	1336-21-6	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
AMMONIUM HYDROXIDE	Ammonium Hydroxide, NOS	1336-21-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMMONIUM ISOSTEARATE	AMMONIUM ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
AMMONIUM LACTATE	AMMONIUM LACTATE	515-98-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
AMMONIUM LAURETH SULFATE	AMMONIUM LAURETH SULFATE	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH SULFATE	Ammonium Laureth12 Sulfate	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH SULFATE	Ammonium Laureth5 Sulfate	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH SULFATE	Ammonium Laureth7 Sulfate	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH SULFATE	Ammonium Laureth9 Sulfate	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH-12 SULFATE	Ammonium Laureth12 Sulfate	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH-5 SULFATE	Ammonium Laureth5 Sulfate	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMMONIUM LAURETH-6 CARBOXYLATE	Ammonium Laureth6 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH-7 SULFATE	Ammonium Laureth7 Sulfate	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH-8 CARBOXYLATE	Ammonium Laureth8 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURETH-9 SULFATE	Ammonium Laureth9 Sulfate	32612-48 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM LAURYL SULFATE	AMMONIUM LAURYL SULFATE	2235-54- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1% in leaveon products.	
AMMONIUM MONOFLUOROPHOSPHATE	AMMONIUM MONOFLUOROPHOSPHATE	66115-19- 3	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains ammonium monofluorophosphate'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
AMMONIUM NONOXYNOL-30 SULFATE	Ammonium Nonoxynol30 Sulfate	31691-97- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM NONOXYNOL-4-SULFATE	Ammonium Nonoxynol4Sulfate	31691-97- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM OLEATE	AMMONIUM OLEATE	544-60-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
AMMONIUM PHOSPHATIDYL RAPESEEDATE	AMMONIUM PHOSPHATIDYL RAPESEEDATE	100085-5 9-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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AMMONIUM POLYACRYLATE	AMMONIUM POLYACRYLATE	9003-03- 6	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
AMMONIUM POLYACRYLOYLDIMETHYL TAURATE	Ammonium Polyacryloyldimethyl Taurate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
AMMONIUM SILVER ZINC ALUMINUM SILICATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMMONIUM SILVER ZINC ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMMONIUM SILVER ZINC ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
AMMONIUM STEARATE	AMMONIUM STEARATE	1002-89- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
AMMONIUM STYRENE/ACRYLATES COPOLYMER	AMMONIUM STYRENE/ACRYLATES COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
AMMONIUM STYRENE/ACRYLATES/ETHY LHEXYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	AMMONIUM STYRENE/ACRYLATES/ETH YLHEXYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
AMMONIUM STYRENE/ACRYLATES/ETHY LHEXYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	AMMONIUM STYRENE/ACRYLATES/ETH YLHEXYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
AMMONIUM SULFITE	AMMONIUM SULFITE	10196-04 -0	The European Commission restricts this ingredient to a maximum concentration of 0.67% (as free SO2) in oxidative hair dyes, 6.7% (as free SO2) in hair straightening products, 0.45% (as free SO2) in selftanning face products, and 0.40% (as free SO2) in other selftanning products. For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent on the product label.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMMONIUM THIOGLYCOLATE	AMMONIUM THIOGLYCOLATE	5421-46-5	The European Commission restricts this ingredient to a maximum concentration of 8% (as thioglycolic acid) with a pH of 7 to 9.5 in general use hair products, 11% (as thioglycolic acid) with a pH of 7 to 9.5 in professional use hair products, 5% (as thioglycolic acid) with a pH of 7 to 9.5 in hair rinseoff products. Required Warning: The European Commission requires the following conditions of use on the label/package of hair products, depilatories and hair rinseoff products: 'Avoid contact with eyes'; 'In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice'. Additionally, the following conditions of use are requires the following text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following text on the label/package of hair products: 'Contains thioglycolate'; 'Follow the instructions'; 'Keep out of reach of children'. Additionally, the following warning text on hair products: 'For professionaly use only.'	
AMMONIUM THIOGLYCOLATE	AMMONIUM THIOGLYCOLATE	5421-46- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15.2% (as thioglycolic acid) in hair straighteners, permanent waves, tonics, dressings, wave sets, other noncoloring hair products, and hair dyes and colors.	
AMMONIUM VA/ACRYLATES COPOLYMER	AMMONIUM VA/ACRYLATES COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
AMMONIUM XYLENE-SULFONATE	AMMONIUM XYLENESULFONATE	26447-10 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
AMMONIUM, DIETHYLMETHYL(2-(4-(2-NO NOXYBENZAMIDO)BENZOYL OXY)ETHYL)-, BROMIDE	Ammonium, Diethylmethyl(2(4(2Nonoxy benzamido)benzoyloxy)eth yl), Bromide	26187-16- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMMONIUM, DIETHYLMETHYL(2-(4-(2-NO NOXYBENZAMIDO)BENZOYL OXY)ETHYL)-, IODIDE	Ammonium, Diethylmethyl(2(4(2Nonoxy benzamido)benzoyloxy)eth yl), Iodide	26095-60 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AMNIOTIC FLUID	Amniotic Fluid	0	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
AMODIMETHICONE	AMODIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
AMODIMETHICONE	AMODIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
AMODIMETHICONE/SILSES QUIOXANE COPOLYMER	AMODIMETHICONE/SILSE SQUIOXANE COPOLYMER	67923-07 -3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMOMUM AROMATICUM FRUIT EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
AMOMUM SUBULATUM SEED EXTRACT	Limonene, contact allergen for eczema products	97675-52 -0	This ingredient contains Limonene, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
AMP ISOSTEAROYL HYDROLYZED SOY PROTEIN	AMP ISOSTEAROYL HYDROLYZED SOY PROTEIN	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP ISOSTEAROYL HYDROLYZED WHEAT PROTEIN	AMP ISOSTEAROYL HYDROLYZED WHEAT PROTEIN	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ACRYLATES COPOLYMER	AMP-ACRYLATES COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
AMP-ACRYLATES COPOLYMER	AMPACRYLATES COPOLYMER	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ACRYLATES/ALLYL METHACRYLATE COPOLYMER	AMPACRYLATES/ALLYL METHACRYLATE COPOLYMER	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ACRYLATES/C1-18 ALKYL ACRYLATE/C1-8 ALKYL ACRYLAMIDE/HYDROXYETH YLACRYLATE COPOLYMER	AMPACRYLATES/C118 ALKYL ACRYLATE/C18 ALKYL ACRYLAMIDE/HYDROXYET HYLACRYLATE COPOLYMER	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ACRYLATES/DIACETON EACRYLAMIDE COPOLYMER	AMPACRYLATES/DIACETO NEACRYLAMIDE COPOLYMER	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMP-ACRYLATES/DIMETHYL AMINOETHYLMETHACR YLATE COPOLYMER	AMPACRYLATES/DIMETHY LAMINOETHYLMETHACR YLATE COPOLYMER	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ACRYLATES/ETHYLHEX YL ACRYLATE COPOLYMER	AMPACRYLATES/ETHYLHE XYL ACRYLATE COPOLYMER	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ISOSTEAROYL GELATIN/KERATIN AMINO ACIDS/LYSINE HYDROXYPROPYLTRIMONIU M CHLORIDE	AMPISOSTEAROYL GELATIN/KERATIN AMINO ACIDS/LYSINE HYDROXYPROPYLTRIMON IUM CHLORIDE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ISOSTEAROYL HYDROLYZED ELASTIN	AMPISOSTEAROYL HYDROLYZED ELASTIN	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ISOSTEAROYL HYDROLYZED KERATIN	AMPISOSTEAROYL HYDROLYZED KERATIN	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ISOSTEAROYL HYDROLYZED SILK	AMPISOSTEAROYL HYDROLYZED SILK	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMP-ISOSTEAROYL WHEAT/CORN/SOY AMINO ACIDS	AMPISOSTEAROYL WHEAT/CORN/SOY AMINO ACIDS	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AMPHOMYCIN, ALUMINUM DERIV.	Aluminum Compounds	69855-44 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMYL ACETATE	AMYL ACETATE	628-63-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
AMYL BENZOATE	Benzoate	2049-96- 9	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
AMYL CINNAMYL ALCOHOL	AMYL CINNAMYL ALCOHOL	101-85-9	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMYL CINNAMYL ALCOHOL	αAmyl cinnamic alcohol	101-85-9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in lip products, 0.1% in deodorants/antiperspirants, 0.5% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.6% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.8% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2.5% in mouthwashes, breath sprays, and toothpastes, 0.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	•
AMYL CINNAMYL ALCOHOL	αAmyl cinnamic alcohol	101-85-9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 0.64 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.32 % Category 5C) 0.38 % Category 5D) 0.11 % Category 6) 0.32 % Category 7A) 0.64 % Category 7B) 0.64 % Category 8) 0.11 % Category 9) 1.6 % Category 10A) 1.6 % Category 10B) 3.5 % Category 11A) 0.11 % Category 11B) 0.11 % Category 12) 79 %	
AMYL SALICYLATE	AMYL SALICYLATE	2050-08- 0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.26%	
AMYL SALICYLATE	Pentyl-2-hydroxy- benzoate	2050-08- 0	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
AMYLASE BACTERIAL	alpha Amylase (bacterial)	9000-85- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMYLASE, ALPHA-	alpha Amylase (pancreatic)	9000-90- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMYLCINNAMALDEHYDE	AMYLCINNAMALDEHYDE	122-40-7	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
AMYLCINNAMALDEHYDE	Contact allergens for eczema products	122-40-7	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	x
AMYLCINNAMALDEHYDE	αAmyl cinnamic aldehyde	122-40-7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.7% in lip products, 0.9% in deodorants/antiperspirants, 3.6% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 10.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 5.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 17.1% in mouthwashes, breath sprays, and toothpastes, 1.8% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid scap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AMYLCINNAMALDEHYDE	αAmyl cinnamic aldehyde	122-40-7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.58 % Category 2) 0.53 % Category 3) 0.26 % Category 4) 7.0 % Category 5A) 2.5 % Category 5B) 0.32 % Category 5C) 0.45 % Category 5D) 0.11 % Category 6) 0.064 % Category 7A) 0.26 % Category 7B) 0.26 % Category 8) 0.11 % Category 9) 1.5 % Category 10A) 1.5 % Category 10B) 3.5 % Category 11A) 0.11 % Category 11B) 0.11 % Category 12) No Restriction	
AMYLODEXTRIN	AMYLODEXTRIN	9005-84- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
AMYLOGLUCOSIDASE	Amyloglucosidase	9032-08- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
AMYLVINYLCARBINYL ACETATE	10CTEN3YL ACETATE	2442-10- 6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in lip products, 0.1% in deodorants/antiperspirants, 0.3% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.3% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2.5% in mouthwashes, breath sprays, and toothpastes, 0.3% in intimate wipes, and baby wipes, 0.3% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.3% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
AMYLVINYLCARBINYL ACETATE	10CTEN3YL ACETATE	2442-10- 6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	
AMYLVINYLCARBINYL ACETATE	AMYLVINYLCARBINYL ACETATE	2442-10- 6	The European Commission restricts this ingredient to a maximum concentration of 0.3% in nonoral products.	
ANACARDIUM OCCIDENTALE (CASHEW) SEED OIL	ANACARDIUM OCCIDENTALE (CASHEW) SEED OIL	8007-24- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
ANATASE	ANATASE	1317-70- 0	Per the U.S. FDA., titanium dioxide shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 1 part per million. Antimony (as Sb), not more than 2 parts per million. Mercury (as Hg), not more than 1 part per million. Loss on ignition at 800 °C. (after drying for 3 hours at 105 °C.), not more than 0.5 percent. Water soluble substances, not more than 0.5 percent. Acid soluble substances, not more than 0.5 percent. TiO2, not less than 99.0 percent after drying for 3 hours at 105 °C. Lead, arsenic, and antimony shall be determined in the solution obtained by boiling 10 grams of the titanium dioxide for 15 minutes in 50 milliliters of 0.5N hydrochloric acid.	
ANATASE	CLAYS AND MINERALS	1317-70- 0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm: in the finished product	
ANCIENT SEA CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ANETHOLE	1-Methoxy-4-(1E)- 1-propen-1-yl- benzene (trans- Anethole)	104-46-1	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
ANGELICA ARCHANGELICA ROOT EXTRACT	Angelica root oil	84775-41 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.80 % Category 2) 0.80 % Category 3) 0.80 % Category 4) 0.80 % Category 5A) 0.80 % Category 5B) 0.80 % Category 5C) 0.80 % Category 5D) 0.80 % Category 6) 0.80 % Category 7A) no restriction Category 7B) 0.80 % Category 8) 0.80 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.80 % Category 11A) no restriction Category 11B) 0.80 % Category 12) no restriction	
ANGELICA ROOT OIL	Angelica root oil	8015-64- 3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.8% in leaveon products	
ANGELICA ROOT OIL	Angelica root oil	8015-64- 3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.80 % Category 2) 0.80 % Category 3) 0.80 % Category 4) 0.80 % Category 5A) 0.80 % Category 5B) 0.80 % Category 5C) 0.80 % Category 5D) 0.80 % Category 6) 0.80 % Category 7A) no restriction Category 7B) 0.80 % Category 8) 0.80 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.80 % Category 11A) no restriction Category 11B) 0.80 % Category 12) no restriction	
ANGELICA ROOT OIL	Angelica root oil	8015-64-3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.80 % Category 2) 0.80 % Category 3) 0.80 % Category 4) 0.80 % Category 5A) 0.80 % Category 5B) 0.80 % Category 5C) 0.80 % Category 5D) 0.80 % Category 6) 0.80 % Category 7A) no restriction Category 7B) 0.80 % Category 8) 0.80 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.80 % Category 11A) no restriction Category 11B) 0.80 % Category 12) no restriction	
ANGELICA SINENSIS (DONG QUAI)	Angelica sinensis	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ANHYDROUS LIQUID LANOLIN	Contact allergens for eczema products	8006-54- 0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
ANHYDROUS LIQUID LANOLIN	LANOLIN	8006-54- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 37%.	
ANHYDROXYLITOL	ANHYDROXYLITOL	53448-53 -6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.88%.	
ANIBA CANELILLA (ROSEWOOD) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA CANELILLA (ROSEWOOD) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA PARVIFLORA OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA PARVIFLORA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ANIBA ROSAEODORA (ROSEWOOD)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	х
ANIBA ROSAEODORA (ROSEWOOD)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA (ROSEWOOD) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA (ROSEWOOD) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA (ROSEWOOD) FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA (ROSEWOOD) FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA (ROSEWOOD) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ANIBA ROSAEODORA (ROSEWOOD) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ANIBA ROSAEODORA AMAZONICA WOOD EXTRACT	Geraniol, contact allergen for eczema products	93685-34 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ANIBA ROSAEODORA AMAZONICA WOOD EXTRACT	Linalool, contact allergen for eczema products	93685-34 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA AMAZONICA WOOD OIL	Geraniol, contact allergen for eczema products	93685-34 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA AMAZONICA WOOD OIL	Linalool, contact allergen for eczema products	93685-34 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA ROOT EXTRACT ACETYLATED	Geraniol, contact allergen for eczema products	90622-72 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA ROOT EXTRACT ACETYLATED	Linalool, contact allergen for eczema products	90622-72 -3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ANIBA ROSAEODORA WOOD EXTRACT	Geraniol, contact allergen for eczema products	83863-32 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANIBA ROSAEODORA WOOD EXTRACT	Linalool, contact allergen for eczema products	83863-32 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANISE ALCOHOL	ANISE ALCOHOL	105-13-5	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
ANISE ALCOHOL	Anisyl alcohol	105-13-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.06% in deodorants/antiperspirants, 0.23% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.68% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.36% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.09% in mouthwashes, breath sprays, and toothpastes, 0.11% in intimate wipes, and baby wipes, 1.52% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ANISE ALCOHOL	Anisyl alcohol	105-13-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.06% in deodorants/antiperspirants, 0.23% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.68% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.36% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.09% in mouthwashes, breath sprays, and toothpastes, 0.11% in intimate wipes, and baby wipes, 1.52% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ANISE ALCOHOL	Anisyl alcohol	105-13-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.028% Category 2) 0.039% Category 3) 0.025% Category 4) 0.21% Category 5A) 0.041% Category 5B) 0.0055% Category 5C) 0.033% Category 5D) 0.0020% Category 6) 0.091% Category 7A) 0.033% Category 7B) 0.033% Category 8) 0.0020% Category 9) 0.099% Category 10A) 0.099% Category 10B) 0.17% Category 11A) 0.0020% Category 11B) 0.0020% Category 12) 14%	
ANISE ALCOHOL	Anisyl alcohol	105-13-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.028% Category 2) 0.039% Category 3) 0.025% Category 4) 0.21% Category 5A) 0.041% Category 5B) 0.0055% Category 5C) 0.033% Category 5D) 0.0020% Category 6) 0.091% Category 7A) 0.033% Category 7B) 0.033% Category 8) 0.0020% Category 9) 0.099% Category 10A) 0.099% Category 10B) 0.17% Category 11A) 0.0020% Category 11B) 0.0020% Category 12) 14%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ANISE EXTRACT	ANISE EXTRACT	84650-59 -9	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
ANISE EXTRACT	Linalool, contact allergen for eczema products	84650-59 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ANISIC ALDEHYDE	PMETHOXYBENZALDEHYD E	123-11-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in lip products, 0.13% in deodorants/antiperspirants, 0.54% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.61% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.84% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2.53% in mouthwashes, breath sprays, and toothpastes, 0.27% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ANISIC ALDEHYDE	PMETHOXYBENZALDEHYD E	123-11-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.043 % Category 2) 0.080 % Category 3) 0.022 % Category 4) 0.21 % Category 5A) 0.11 % Category 5B) 0.022 % Category 5C) 0.032 % Category 5D) 0.0072 % Category 6) 0.011 % Category 7A) 0.022 % Category 7B) 0.022 % Category 8) 0.0072 % Category 9) 0.065 % Category 10A) 0.065 % Category 10B) 0.21 % Category 11A) 0.0072 % Category 11B) 0.0072 % Category 12) 4.9 %	
Anisyl alcohol (o-,m-,p-)	Anisyl alcohol	1331-81-3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.06% in deodorants/antiperspirants, 0.23% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.68% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.36% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.09% in mouthwashes, breath sprays, and toothpastes, 0.11% in intimate wipes, and baby wipes, 1.52% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
Anisyl alcohol (o-,m-,p-)	Anisyl alcohol	1331-81-3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.028% Category 2) 0.039% Category 3) 0.025% Category 4) 0.21% Category 5A) 0.041% Category 5B) 0.0055% Category 5C) 0.033% Category 5D) 0.0020% Category 6) 0.091% Category 7A) 0.033% Category 7B) 0.033% Category 8) 0.0020% Category 9) 0.099% Category 10A) 0.099% Category 10B) 0.17% Category 11A) 0.0020% Category 11B) 0.0020% Category 12) 14%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ANTHEMIS NOBILIS (CHAMOMILE)	Chamomile	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ANTHEMIS NOBILIS (CHAMOMILE) EXTRACT	Anthemis nobilis flower extract	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.1%	
ANTHEMIS NOBILIS (CHAMOMILE) FLOWER	Anthemis nobilis flower extract	84649-86 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.1%	
EXTRACT ANTHEMIS NOBILIS	Anthemis nobilis flower oil	0	The Cosmetic Ingredient Review has determined that	
ANTHEMIS NOBILIS	Anthemis nobilis flower	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 10%	
A02	AO2	860-22-0	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 132)	
Apium Nodiflorum (Watercress) Flower Extract	Limonene, contact allergen for eczema products	0	This ingredient contains Limonene, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	Х
APPLE CIDER CONCENTRATES	APPLE CIDER CONCENTRATES	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
APRICOT KERNEL AMINO ACIDS	APRICOT KERNEL AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
APRICOT KERNEL OIL PEG-40 ESTERS	APRICOT KERNEL OIL PEG-40 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
APRICOT KERNEL OIL PEG-40 ESTERS	Apricot Kernel Oil Peg40 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
APRICOT KERNEL OIL PEG-6 ESTERS	APRICOT KERNEL OIL PEG-6 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
APRICOT KERNEL OIL PEG-6 ESTERS	Apricot Kernel Oil Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
APRICOT KERNEL OIL PEG-8 ESTERS	APRICOT KERNEL OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
APRICOT KERNEL OIL PEG-8 ESTERS	Apricot Kernel Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
APRICOTAMIDE DEA	APRICOTAMIDE DEA	185123-3 6-8	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
APRICOTAMIDE DEA	APRICOTAMIDE DEA	185123-3 6-8	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
APRICOTAMIDOPROPYL BETAINE	apricotamidopropyl betaine	133934-0 8-4	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
ARABINOXYLAN	ARABINOXYLAN	9040-27- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ARACHIDIC ACID	ARACHIDIC ACID	506-30-9	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.065%	
ARACHIDYL GLUCOSIDE	Arachidyl Glucoside	100231-6 8-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when formulated to be nonirritating up to 0.6%.	
ARACHIDYL PROPIONATE	ARACHIDYL PROPIONATE	65591-14 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
ARACHIS HYPOGAEA (PEANUT) EXTRACT	Peanut oil, extracts and derivatives	0	Europe restricts this chemical: Maximum concentration of peanut proteins: 0.5 ppm	
ARACHIS HYPOGAEA (PEANUT) OIL	PEANUT (ARACHIS HYPOGAEA) OIL	8002-03- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
ARACHIS HYPOGAEA (PEANUT) OIL	Peanut oil, extracts and derivatives	8002-03- 7	Europe restricts this chemical: Maximum concentration of peanut proteins: 0.5 ppm	
ARGAN OIL PEG-8 ESTERS	ARGAN OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ARGAN OIL PEG-8 ESTERS	Argan Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ARGANIA SPINOSA (ARGAN) KERNEL OIL	Argania Spinosa (Argan) Kernel Oil	299184-7 5-1	The Cosmetic Ingredient Review states that Argania Spinosa (Argan) Kernel Oil is safe as used at concentrations < 10%	x
ARGININE HYDROCHLORIDE	ARGININE HYDROCHLORIDE	1119-34-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ARTEMISIA ABROTANUM (SOUTHERNWOOD)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABROTANUM (SOUTHERNWOOD) EXTRACT	Linalool, contact allergen for eczema products	89957-58 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM (MUGWORT)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM (MUGWORT)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM (MUGWORT) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM (MUGWORT) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ARTEMISIA ABSINTHIUM HERB EXTRACT	Geraniol, contact allergen for eczema products	84929-19 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM HERB EXTRACT	Linalool, contact allergen for eczema products	84929-19 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM HERB OIL	Geraniol, contact allergen for eczema products	84929-19 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM HERB OIL	Linalool, contact allergen for eczema products	84929-19 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ABSINTHIUM OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ANNUA (WORMWOOD) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ANNUA (WORMWOOD) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA ANNUA EXTRACT	Linalool, contact allergen for eczema products	84775-74 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ARTEMISIA ARBORESCENS HERB OIL	ARTEMISIA ARBORESCENS HERB OIL	92113-09- 2	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ARTEMISIA ARBORESCENS HERB OIL	ARTEMISIA ARBORESCENS HERB OIL	92113-09-2	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ARTEMISIA ARBORESCENS HERB OIL	Linalool, contact allergen for eczema products	92113-09- 2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ARTEMISIA CAPILLARIS (CAPILLARY ARTEMISIA) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA CARVIFOLIA EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA CARVIFOLIA POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA DRACUNCULUS	ARTEMISIA DRACUNCULUS	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ARTEMISIA DRACUNCULUS	ARTEMISIA DRACUNCULUS	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ARTEMISIA DRACUNCULUS	ARTEMISIA DRACUNCULUS	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
ARTEMISIA DRACUNCULUS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Artemisia Dracunculus (Tarragon) Oil	Artemisia Dracunculus (Tarragon) Oil	8016-88- 4	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
Artemisia Dracunculus (Tarragon) Oil	Artemisia Dracunculus (Tarragon) Oil	8016-88- 4	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Artemisia Dracunculus (Tarragon) Oil	Artemisia Dracunculus (Tarragon) Oil	8016-88- 4	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
Artemisia Dracunculus (Tarragon) Oil	Linalool, contact allergen for eczema products	8016-88- 4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA DRACUNCULUS (TARRAGON) ROOT EXTRACT	ARTEMISIA DRACUNCULUS (TARRAGON) ROOT EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ARTEMISIA DRACUNCULUS (TARRAGON) ROOT EXTRACT	ARTEMISIA DRACUNCULUS (TARRAGON) ROOT EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ARTEMISIA DRACUNCULUS (TARRAGON) ROOT EXTRACT	ARTEMISIA DRACUNCULUS (TARRAGON) ROOT EXTRACT	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
ARTEMISIA DRACUNCULUS (TARRAGON) ROOT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ARTEMISIA DRACUNCULUS HERB EXTRACT	ARTEMISIA DRACUNCULUS HERB EXTRACT	90131-45 -6	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ARTEMISIA DRACUNCULUS HERB EXTRACT	ARTEMISIA DRACUNCULUS HERB EXTRACT	90131-45 -6	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ARTEMISIA DRACUNCULUS HERB EXTRACT	ARTEMISIA DRACUNCULUS HERB EXTRACT	90131-45 -6	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
ARTEMISIA DRACUNCULUS HERB EXTRACT	Linalool, contact allergen for eczema products	90131-45 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA DRACUNCULUS LEAF/STEM EXTRACT	ARTEMISIA DRACUNCULUS LEAF/STEM EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ARTEMISIA DRACUNCULUS LEAF/STEM EXTRACT	ARTEMISIA DRACUNCULUS LEAF/STEM EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ARTEMISIA DRACUNCULUS LEAF/STEM EXTRACT	ARTEMISIA DRACUNCULUS LEAF/STEM EXTRACT	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
ARTEMISIA DRACUNCULUS LEAF/STEM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA HERBA-ALBA HERB OIL	Linalool, contact allergen for eczema products	84775-75 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA HERBA-ALBA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA MARITIMA HERB OIL	Linalool, contact allergen for eczema products	89957-63 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA MONGOLIA LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ARTEMISIA MONTANA LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA MONTANA LEAF POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA OIL	Geraniol, contact allergen for eczema products	8022-37- 5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA OIL	Linalool, contact allergen for eczema products	8022-37- 5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PALLENS (DAVANA)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PALLENS FLOWER EXTRACT	Linalool, contact allergen for eczema products	91844-86 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PALLENS FLOWER OIL	Geraniol, contact allergen for eczema products	91844-86 -9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PALLENS FLOWER OIL	Linalool, contact allergen for eczema products	91844-86 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PALLENS HERB EXTRACT	Linalool, contact allergen for eczema products	91844-86 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PALLENS HERB OIL	Linalool, contact allergen for eczema products	91844-86 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PRINCEPS (MUGWORT) LEAF WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PRINCEPS LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA PRINCEPS LEAF POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA TRIDENTATA	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ARTEMISIA TRIDENTATA EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ARTEMISIA TRIDENTATA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA UMBELLIFORMIS EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA VULGARIS (MUGWORT)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA VULGARIS (MUGWORT)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA VULGARIS (MUGWORT)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA VULGARIS (MUGWORT) EXTRACT	Eugenol, contact allergen for eczema products	84775-45 -1	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ARTEMISIA VULGARIS (MUGWORT) EXTRACT	Geraniol, contact allergen for eczema products	84775-45 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ARTEMISIA VULGARIS (MUGWORT) EXTRACT	Linalool, contact allergen for eczema products	84775-45 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ASARUM CANADENSE ROOT OIL	ASARUM CANADENSE ROOT OIL	89957-73 -3	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ASARUM CANADENSE ROOT OIL	ASARUM CANADENSE ROOT OIL	89957-73 -3	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ASCOPHYLLUM NODOSUM (KNOTTED WRACK) EXTRACT	Algae and related substances	84775-78 -0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ASCOPHYLLUM NODOSUM (KNOTTED WRACK) EXTRACT	ASCOPHYLLUM NODOSUM (KNOTTED WRACK) EXTRACT	84775-78 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.	
ASCOPHYLLUM NODOSUM POWDER	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
ASCOPHYLLUM NODOSUM POWDER	ASCOPHYLLUM NODOSUM POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ASCORBIC ACID (VITAMIN C)	LAscorbic acid	50-81-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
ASCORBYL GLUCOSIDE	ASCORBYL GLUCOSIDE	129499-7 8-1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 5%.	
ASCORBYL GLUCOSIDE	ASCORBYL GLUCOSIDE	129499-7 8-1	The Expert Panel for Cosmetic Ingredient Safety concluded that Ascorbyl Glucoside is safe in cosmetics in the present practices of use and concentrations < 5%	
ASCORBYL LINOLEATE	ASCORBYL LINOLEATE	121869-3 2-7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ASCORBYL PALMITATE (VITAMIN C PALMITATE)	ASCORBYL PALMITATE	137-66-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
ASCORBYL TETRAISOPALMITATE	ASCORBYL TETRAISOPALMITATE	161436-5 6-2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 4%.	
ASCORBYL TOCOPHERYL MALEATE	ASCORBYL TOCOPHERYL MALEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ASCORBYL TOCOPHERYL MALEATE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
ASPARAGINE	ASPARAGINE	70-47-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ASPARTIC ACID	ASPARTIC ACID	56-84-8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentrations of 1%.	
ASPARTIC ACID, DISODIUM SALT, L-	ASPARTIC ACID, DISODIUM SALT, L-	5598-53- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ASPERGILLUS/RICE FERMENT FILTRATE	ASPERGILLUS/RICE FERMENT FILTRATE	0	This substance may not contain detectable levels of aflatoxins, which are produced by some species of Aspergillus.	
ASTRAGALUS GUMMIFER GUM	ASTRAGALUS GUMMIFER GUM	9000-65- 1	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
ASTRAGALUS GUMMIFER GUM	ASTRAGALUS GUMMIFER GUM	9000-65- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ASTRAGALUS GUMMIFER GUM	tragacanth (Astragalus gummifer) gum	9000-65- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
ASTROCARYUM MURUMURU SEED BUTTER	ASTROCARYUM MURUMURU SEED BUTTER	356065-4 9-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
ASTROCARYUM MURUMURU SEED BUTTER	ASTROCARYUM MURUMURU SEED BUTTER	356065-4 9-1	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 7%.	
ATELOCOLLAGEN	ATELOCOLLAGEN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ATTAPULGITE	attapulgite	1337-76-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
ATTAPULGITE	CLAYS AND MINERALS	1337-76-4	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
AUSTRALIAN RED REEF CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
AVENA SATIVA (OAT) BRAN	AVENA SATIVA (OAT) BRAN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
AVENA SATIVA (OAT) BRAN EXTRACT	AVENA SATIVA (OAT) BRAN EXTRACT	84012-26 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2% when formulated to be non-sensitizing.	
AVENA SATIVA (OAT) KERNEL EXTRACT	AVENA SATIVA (OAT) KERNEL EXTRACT	84012-26 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 25% when formulated to be non-sensitizing.	
AVENA SATIVA (OAT) KERNEL FLOUR	AVENA SATIVA (OAT) KERNEL FLOUR	134134-8 6-4	The Cosmetic Ingredient Review identified heavy metals as a possible contaminant therefore this substance must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
AVENA SATIVA (OAT) KERNEL MEAL	AVENA SATIVA (OAT) KERNEL MEAL	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1% and when formulated to be non-sensitizing.	
AVENA SATIVA (OAT) KERNEL OIL	AVENA SATIVA (OAT) KERNEL OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
AVENA SATIVA (OAT) KERNEL PROTEIN	AVENA SATIVA (OAT) KERNEL PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
AVENA SATIVA (OAT) LEAF EXTRACT	AVENA SATIVA (OAT) LEAF EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
AVENA SATIVA (OAT) MEAL EXTRACT	AVENA SATIVA (OAT) MEAL EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.005% and when formulated to be non-sensitizing.	
AVENA SATIVA (OAT) PROTEIN EXTRACT	AVENA SATIVA (OAT) PROTEIN EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
AVENA SATIVA (OAT) STARCH	AVENA SATIVA (OAT) STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
AVENA SATIVA (OAT) STRAW EXTRACT	AVENA SATIVA (OAT) STRAW EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
AVOBENZONE	AVOBENZONE	70356-09 -1	The FDA limits this ingredient to a maximum concentration of 3%	
AVOCADAMIDE DEA	AVOCADAMIDE DEA	124046-2 1-5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
AVOCADAMIDE DEA	AVOCADAMIDE DEA	124046-2 1-5	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
AVOCADAMIDOPROPYL BETAINE	AVOCADAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	

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AVOCADAMIDOPROPYL DIMETHYLAMINE	Avocadamidopropyl dimethylamine	0	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
AVOCADO OIL PEG-11 ESTERS	AVOCADO OIL PEG-11 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
AVOCADO OIL PEG-11 ESTERS	Avocado Oil Peg11 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AVOCADO OIL PEG-8 ESTERS	AVOCADO OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
AVOCADO OIL PEG-8 ESTERS	Avocado Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
AVOCADO OIL PROPYLENE GLYCOL ESTERS	AVOCADO OIL PROPYLENE GLYCOL ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
AZELAIC ACID	AZELAIC ACID	123-99-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3% in leaveon products and 10% in rinseoff products.	
AZELAIC ACID	AZELAIC ACID	123-99-9	These ingredients were added to the list of restricted substances due to known therapeutic properties and risk of skin irritation at concentrations above the maximum permitted concentration of 14%.	
Aziridine, homopolymer, ethoxylated	Aziridine, homopolymer, ethoxylated	68130-99 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BABASSU OIL GLYCERETH-8 ESTERS	Babassu Oil Glycereth8Esters	31694-55 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BABASSU OIL GLYCERETH-8 ESTERS	Babassu Oil Glycereth8Esters	31694-55 -0	The Cosmetic Ingredient Review has determined that a similar ingredient is safe as used up to a concentration of 11.3%	
BABASSUAMIDE DEA	BABASSUAMIDE DEA	124046-2 4-8	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
BABASSUAMIDE DEA	BABASSUAMIDE DEA	124046-2 4-8	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
BABASSUAMIDOPROPYL BETAINE	BABASSUAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	

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BABASSUAMIDOPROPYL DIMETHYLAMINE	BABASSUAMIDOPROPYL DIMETHYLAMINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
Badiane	Linalool, contact allergen for eczema products	8026-83- 3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
BAKUCHIOL	BAKUCHIOL	10309-37 -2	Based on a clinical study, bakuchiol may be used up to 1% in a cosmetics product.	
ΒΑΜΒΟΟ	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
BAMBUSA ARUNDINACEA (BAMBOO)	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
BARIUM	Barium	7440-39- 3	Health Canada restricts the use of this ingredient, in the form of barium sulfate, as a colouring agent or as a lake for preparation of other colouring agents and barium sulfide.	
BARIUM SILICOFLUORIDE	Silica, amorphous; silicate; borosilicate	17125-80 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
BARIUM SILICOFLUORIDE	Silica, amorphous; silicate; borosilicate	17125-80 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
BARIUM SULFIDE	barium sulfide	21109-95 -5	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
BARIUM SULFIDE	BARIUMSULFIDE	21109-95 -5	Health Canada restricts this ingredient to a maximum concentration of 6% (sulfur) in depilatory products.	
BAROSMA BETULINA LEAF EXTRACT		84649-93 -4	The Cosmetic Ingredient Review restricts the pulegone content of a similar ingredient to a maximum concentration of 1%.	
BASIC RED 76	BASIC RED 76	68391-30 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BASIC VIOLET 11:1	Secondary and Tertiary Aromatic Amines (Aniline)	73398-89 -7	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	Х
BASIC VIOLET 11:1	Secondary and Tertiary Aromatic Amines (Nitrosamine)	73398-89 -7	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
BASIC VIOLET 16	Secondary and Tertiary Aromatic Amines (Aniline)	6359-45- 1	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
BASIC VIOLET 16	Secondary and Tertiary Aromatic Amines (Nitrosamine)	6359-45- 1	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BASIC YELLOW 40	Secondary and Tertiary Aromatic Amines (Aniline)	29556-33 -0	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	x
BASIC YELLOW 40	Secondary and Tertiary Aromatic Amines (Nitrosamine)	29556-33 -0	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
BASIC YELLOW 57	BASIC YELLOW 57	68391-31- 1	Per European restrictions, prohibited for use in hair dye products.	
BASIC YELLOW 57	Secondary and Tertiary Aromatic Amines (Aniline)	68391-31- 1	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
BASIC YELLOW 57	Secondary and Tertiary Aromatic Amines (Nitrosamine)	68391-31- 1	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
BASSIA LATIFOLIA SEED BUTTER	BASSIA LATIFOLIA SEED BUTTER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
BATYL ALCOHOL	BATYL ALCOHOL	544-62-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
Bay oil, terpeneless	Bay oil, terpeneless	68916-05 -2	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
Bay oil, terpeneless	Bay oil, terpeneless	68916-05 -2	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
Bay oil, terpeneless	Bαy oil, terpeneless	68916-05 -2	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
BEESWAX	BEESWAX	8012-89- 3	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 50%.	
BEESWAX ACID	BEESWAX ACID	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
BEETROOT RED	BEETROOT RED	89957-88 -0	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E162)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BEHENAMIDE DEA	BEHENAMIDE DEA	70496-39 -8	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
BEHENAMIDE DEA	BEHENAMIDE DEA	70496-39 -8	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
BEHENAMIDOPROPYL DIMETHYLAMINE	Behenamidopropyl dimethylamine	60270-33 -9	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
BEHENETH-30	Beheneth30	26636-40 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BEHENIC ACID	BEHENIC ACID	112-85-6	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <22%	
BEHENOXY DIMETHICONE	BEHENOXY DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BEHENOXY PEG-10 DIMETHICONE	BEHENOXY PEG-10 DIMETHICONE	1136947- 78-8	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BEHENOXY PEG-10 DIMETHICONE	BEHENOXY PEG-10 DIMETHICONE	1136947- 78-8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BEHENTRIMONIUM DIMETHICONE PEG-8 PHTHALATE	Behentrimonium Dimethicone Peg8 Phthalate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BEHENYL ALCOHOL	BEHENYL ALCOHOL	661-19-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 26%.	
BEHENYL BENZOATE	Benzoate	103403-3 8-9	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
BEHENYL BETAINE	BEHENYL BETAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
BEHENYL DIMETHICONE	BEHENYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BENTONITE	BENTONITE	1302-78- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8% (up to 80% in mud packs).	
BENTONITE	CLAYS AND MINERALS	1302-78- 9	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	

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BENZALDEHYDE	benzaldehyde	100-52-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
BENZALDEHYDE	benzaldehyde	100-52-7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.02% in deodorants/antiperspirants, 0.09% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.27% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.14% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.43% in mouthwashes, breath sprays, and toothpastes, 0.05% in intimate wipes, and baby wipes, 0.6% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 3% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
BENZALDEHYDE	Benzaldehyde	100-52-7	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
BENZALDEHYDE	benzaldehyde	100-52-7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.045 % Category 2) 0.014 % Category 3) 0.27 % Category 4) 0.25 % Category 5A) 0.064 % Category 5B) 0.064 % Category 5C) 0.064 % Category 5D) 0.021 % Category 6) 0.15 % Category 7A) 0.52 % Category 7B) 0.52 % Category 8) 0.021 % Category 9) 0.49 % Category 10A) 0.49 % Category 10B) 1.8 % Category 11A) 0.021 % Category 11B) 0.021 % 12) No Restriction	
BENZENE-1,2:4,5-TETRACAR BOXYLIC DIANHYDRIDE	Pyromellitic Dianhydride	89-32-7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
BENZENE-1,2:4,5-TETRACAR BOXYLIC DIANHYDRIDE	Pyromellitic Dianhydride	89-32-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BENZENEACETYL CHLORIDE, ALPHA-AMINO-, HYDROCHLORIDE, (ALPHA-R)-	Phenylglycine Acid Chloride	39878-87 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BENZENEMETHANAMINIUM, AR-DODECYL-N,N-DIMETHYL -N-TETRADECYL-, CHLORIDE	BENZENEMETHANAMINIU M, AR-DODECYL-N,N-DIMETH YL-N-TETRADECYL-, CHLORIDE	87175-02 -8	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
BENZENEPROPANAL, 4-METHOXY-ALPHA-METHYL -	4Methoxyαmethylbenzenep ropanal	5462-06- 6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.17% in lip products, 0.22% in deodorants/antiperspirants, 0.89% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.67% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.28% in mouthwashes, breath sprays, and toothpastes, 0.45% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BENZENESULFONIC ACID, ((4-(BIS(4-((SULFOPHENYL) AMINO)PHENYL)METHYLEN E)-2,5-CYCLOHEXADIEN-1-	Methyl Blue	28983-56 -4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BENZOIC ACID	Benzoic acid	65-85-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
BENZOIC ACID	Benzoic acid	65-85-0	The Japanese Ministry of Health, Labour and Welfare restricts benzoic acid to a maximum concentration of 0.2% (w/w) in the finished product.	
BENZOIC ACID, 2-((1-HYDROXY-4-SULFO-2-N APHTHALENYL)AZO)-, DISODIUM SALT	Chromium Compounds	6408-82- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BENZOIC ACID, 2-HYDROXY-5-((4-SULFOPHE NYL)AZO)-, DISODIUM SALT	Chromium Compounds	6054-99- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BENZOIC ACID, 4-(1-METHYLETHYL)-	Substances metabolized to 4-iPBA	536-66-3	This substance has a similar toxic metabolite as lilial and has been proposed for harmonised classification and labelling (CLH) as reprotox 1B, therefore they are restricted to 0.01% in the final product.	
BENZOPHENONE-10	BENZOPHENONE-10	1641-17- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BENZOPHENONE-11	BENZOPHENONE11	1341-54- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
BENZOPHENONE-12	BENZOPHENONE-12	1843-05- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BENZOPHENONE-5	BENZOPHENONE5	6628-37- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%.	
BENZOPHENONE-5	SODIUMHYDROXYMETHOX YBENZOPHENONESULFON ATE	6628-37- 1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in rinseoff products (not applied to mucosa).	
BENZOPHENONE-5	SODIUMHYDROXYMETHOX YBENZOPHENONESULFON ATE	6628-37- 1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 1% in products meant to be applied to the mucosa.	
BENZOPHENONE-5	SODIUMHYDROXYMETHOX YBENZOPHENONESULFON ATE	6628-37- 1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in leaveon products (not applied to mucosa).	
BENZOPHENONE-6	BENZOPHENONE6	131-54-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%.	
BENZOPHENONE-6	Dihydroxydimethoxybenzo phenone	131-54-4	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in rinseoff products (not applied to mucosa).	
BENZOPHENONE-6	Dihydroxydimethoxybenzo phenone	131-54-4	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
BENZOPHENONE-6	Dihydroxydimethoxybenzo phenone	131-54-4	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in leaveon products (not applied to mucosa).	
BENZOPHENONE-8	BENZOPHENONE8	131-53-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
BENZOPHENONE-9	BENZOPHENONE9	76656-36 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
BENZOYL BENZOATE	Benzoate	93-97-0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
BENZYL ALCOHOL	benzyl alcohol	100-51-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BENZYL ALCOHOL	benzyl alcohol	100-51-6	Required Warning: The European Commission requires the following on the product label/package: For purposes other than inhibiting the development of microorganisms in the product, the ingredient's purpose; The presence of the substance must be indicated in the list of ingredients referred when its concentration exceeds: 0.001% in leaveon products and 0.01% in rinseoff products.	
BENZYL ALCOHOL	benzyl alcohol	100-51-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.2% in deodorants/antiperspirants, 0.9% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.4% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
BENZYL ALCOHOL	benzyl alcohol	100-51-6	Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category (as outlined in the 49th amendment): Category 1 - 0.45%; Category 2 - 0.14%; Category 3 - 0.34% Category 4 - 2.5%; Category 5a - 0.64%; Category 5b - 0.17%; Category 5c - 0.34%; Category 5d - 0.057%; Category 6 - 1.5%; Category 7a - 0.68%; Category 7b - 0.68%; Category 8 - 0.057%; Category 9 - 2.2%; Category 10a - 2.2%; Category 10b - 8.5%; Category 11a - 0.057%; Category 11b - 0.057%; There is no restriction for Category 12.	
BENZYL ALCOHOL	Benzyl Alcohol	100-51-6	For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent from the presentation of the product. The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products or 0.01% in rinse-off products.	
BENZYL ALCOHOL	Benzyl alcohol	100-51-6	The European Commission allows this ingredient for use as a preservative at a maximum concentration of 1.0%	
BENZYL BENZOATE	benzyl benzoate	120-51-4	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
BENZYL BENZOATE	benzyl benzoate	120-51-4	The International Fragrance Association restricts this ingredient to a maximum concentration of 1.7% in lip products, 2.2% in deodorants/antiperspirants, 8.9% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 26.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 14% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 42.8% in mouthwashes, breath sprays, and toothpastes, 4.5% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
BENZYL BENZOATE	benzyl benzoate	120-51-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 4%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BENZYL BENZOATE	benzyl benzoate	120-51-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 1.7 % Category 2) 1.4 % Category 3) 0.41 % Category 4) 4.8 % Category 5A) 4.3 % Category 5B) 0.21 % Category 5C) 0.83 % Category 5D) 0.070 % Category 6) 0.41 % Category 7A) 0.41 % Category 7B) 0.41 % Category 8) 0.070 % Category 9) 1.9 % Category 10A) 1.9 % Category 10B) 12 % Category 11A) 0.070 % Category 11B) 0.070 % Category 12) No Restriction	
BENZYL CINNAMATE	Benzyl cinnamate	103-41-3	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
BENZYL CINNAMATE	Benzyl cinnamate	103-41-3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in lip products, 0.2% in deodorants/antiperspirants, 0.7% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 3.4% in mouthwashes, breath sprays, and toothpastes, 0.4% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
BENZYL CINNAMATE	Benzyl cinnamate	103-41-3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.36 % Category 2) 0.11 % Category 3) 1.2 % Category 4) 2.0 % Category 5A) 0.51 % Category 5B) 0.51 % Category 5C) 0.51 % Category 5D) 0.17 % Category 6) 1.2 % Category 7A) 2.4 % Category 7B) 2.4 % Category 8) 0.17 % Category 9) 3.9 % Category 10A) 3.9 % Category 10B) 14 % Category 11A) 0.17 % Category 11B) 0.17 % Category 12) No Restriction	
BENZYL SALICYLATE	Benzyl salicylate	118-58-1	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
BENZYL SALICYLATE	Benzyl salicylate	118-58-1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.5% in lip products, 0.7% in deodorants/antiperspirants, 2.7% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 8% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 4.2% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 12.8% in mouthwashes, breath sprays, and toothpastes, 1.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BENZYL SALICYLATE	Benzyl salicylate	118-58-1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 1.3 % Category 2) 0.39 % Category 3) 7.8 % Category 4) 7.3 % Category 5A) 1.9 % Category 5B) 1.9 % Category 5C) 1.9 % Category 5D) 1.9 % Category 6) 4.3 % Category 7A) 15 % Category 7B) 15 % Category 8) 0.77 % Category 9) 14 % Category 10A) 51 % Category 10B) 51 % Category 11A) 28 % Category 11B) 28 % Category 12) No Restriction	
BENZYL SALICYLATE	BENZYL SALICYLATE	118-58-1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.5% when formulated to be non-irritating.	
BENZYL SALICYLATE	Contact allergens for eczema products	118-58-1	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	Х
BENZYLHEMIFORMAL	BENZYLHEMIFORMAL	14548-60 -8	Per COSING, the maximum concentration in RTU preparation is 0.15%	
BENZYLHEMIFORMAL	Methanol, (phenylmethoxy)	14548-60 -8	(*) The European Commission restricts this ingredient to a maximum concentration of 0.15% in rinseoff products.	
BERTHOLLETIA EXCELSA (BRAZILNUT) SEED OIL	BERTHOLLETIA EXCELSA SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
BERTHOLLETIA EXCELSA SEED OIL PEG-8 ESTERS	BERTHOLLETIA EXCELSA SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
BERTHOLLETIA EXCELSA SEED OIL PEG-8 ESTERS	Bertholletia Excelsa Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BETA HYDROXY ACIDS	Salicylic acid	0	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
BETA HYDROXY ACIDS	SALICYLICACID	0	Health Canada restricts this ingredient to a maximum concentration of 2%.	
BETA HYDROXY ACIDS	SALICYLICACID	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.2%.	
BETA TOCOPHEROLS	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
BETA VULGARIS (COMMON BEET)	BETA VULGARIS (COMMON BEET)	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
BETA-CARYOPHYLLENE	BETA-CARYOPHYLLENE	87-44-5	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
beta-cedrene	Cedrene	546-28-1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	
BETA-GLUCAN	BETA-GLUCAN	55965-23 -6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.1%.	
BETA-GLUCAN HYDROXYPROPYLTRIMONIU M CHLORIDE	BETA-GLUCAN HYDROXYPROPYLTRIMON IUM CHLORIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BETA-GLUCAN PALMITATE	BETA-GLUCAN PALMITATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
beta-PINENES	BETAPINENES	127-91-3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
beta-SANTALOL	beta-SANTALOL	77-42-9	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
BETAINE	BETAINE	107-43-7	This substance may not contain detectable levels of heavy metals, dioxins, polycyclic aromatic hydrocarbons, or polychlorinated biphenyls.	
BETULA ALBA (BIRCH) LEAF OIL	Birch wood pyrolysate (purified)	0	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA ALBA (BIRCH) LEAF OIL EXTRACT	Birch wood pyrolysate (purified)	0	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA ALBA (BIRCH) OIL	Birch wood pyrolysate (purified)	0	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA ALBA OIL	Birch wood pyrolysate (purified)	8001-88- 5	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA ALBA OIL	Birch wood pyrolysate (purified)	8001-88- 5	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA LENTA (BIRCH) BARK OIL	Birch wood pyrolysate (purified)	0	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA LENTA (SWEET BIRCH) OIL	Birch wood pyrolysate (purified)		The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA LENTA (SWEET BIRCH) OIL	Birch wood pyrolysate (purified)	0	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA NIGRA (BIRCH) OIL	Birch wood pyrolysate (purified)	0	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA PENDULA TWIG OIL	Birch wood pyrolysate (purified)	85940-29 -0	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BETULA PUBESCENS TWIG OIL	Birch wood pyrolysate (purified)	91745-85 -6	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BICARBOSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BICARBOSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
BICYCLO(4.1.0)HEPT-3-ENE, 3,7,7(OR 4,7,7)-TRIMETHYL-	Carene	74806-04 -5	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
BICYCLO(4.1.0)HEPT-3-ENE, 3,7,7(OR 4,7,7)-TRIMETHYL-	Carene	74806-04 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BIOSACCHARIDE GUM-1	BIOSACCHARIDE GUM-1	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 6%.	
BIOSACCHARIDE GUM-1	BIOSACCHARIDE GUM1	0	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 6%.	
BIOSACCHARIDE GUM-2	BIOSACCHARIDE GUM-2	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIOSACCHARIDE GUM-2	BIOSACCHARIDE GUM2	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%.	
BIOSACCHARIDE GUM-3	BIOSACCHARIDE GUM-3	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIOSACCHARIDE GUM-4	BIOSACCHARIDE GUM-4	905593-8 6-4	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 5%.	
BIOTIN	BIOTIN	58-85-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
BIRCH TAR OIL	Birch wood pyrolysate (purified)	8001-88- 5	The International Fragrance Association prohibits use of the crude material and restricts the total benzopyrene and 1,2benzanthracene content of the purified form of this ingredient to a maximum of 1ppb in the final product.	
BIS ISOBUTYL PEG/PPG-20/35/AMODIMET HICONE COPOLYMER	BIS ISOBUTYL PEG/PPG-20/35/AMODIME THICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS ISOBUTYL PEG/PPG-20/35/AMODIMET HICONE COPOLYMER	BIS ISOBUTYL PEG/PPG20/35/AMODIMET HICONE COPOLYMER	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
BIS PG-AMODIMETHICONE	BIS PG-AMODIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-[4-(2,3-EPOXIPROPOXI) PHENYL]PROPANE	Bisphenol A diglycidyl ether (BADGE)	1675-54- 3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BIS-BUTYLDIMETHICONE POLYGLYCERYL-3	BIS-BUTYLDIMETHICONE POLYGLYCERYL-3	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-BUTYLOXYAMODIMETHI CONE/PEG-60 COPOLYMER	BisButyloxyamodimethicon e/peg60 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-C16-20 ISOALKOXY TMHDI/PEG-90 COPOLYMER	BIS-C16-20 ISOALKOXY TMHDI/PEG-90 COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BIS-CETEARYL AMODIMETHICONE	BIS-CETEARYL AMODIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-DIGLYCERYL POLYACYLADIPATE-1	BIS-DIGLYCERYL POLYACYLADIPATE-1	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-DIGLYCERYL POLYACYLADIPATE-2	BIS-DIGLYCERYL POLYACYLADIPATE-2	82249-33 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 36%.	
BIS-ETHYLHEXYLOXYPHENO L METHOXYPHENYL TRIAZINE	BIS-ETHYLHEXYLOXYPHE NOL METHOXYPHENYL TRIAZINE	187393-0 0-6	Based on the European Commission SCCS Opinion considers this ingredient safe as used at maximum concentration of 10% in all cosmetic products. Note, this ingredient is not a currently approved active by the FDA for use in U.S sunscreens.	
BIS-HYDROXY/METHOXY AMODIMETHICONE	BIS-HYDROXY/METHOXY AMODIMETHICONE	831241-9 3-1	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-HYDROXYETHOXYPROP YL DIMETHICONE	BIS-HYDROXYETHOXYPRO PYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-HYDROXYETHOXYPROP YL DIMETHICONE	BIS-HYDROXYETHOXYPRO PYL DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-HYDROXYETHOXYPROP YL DIMETHICONE BEESWAX ESTERS	BIS-HYDROXYETHOXYPRO PYL DIMETHICONE BEESWAX ESTERS	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-HYDROXYETHOXYPROP YL DIMETHICONE/IPDI COPOLYMER ETHYLCARBAMATE	BIS-HYDROXYETHOXYPRO PYL DIMETHICONE/IPDI COPOLYMER ETHYLCARBAMATE	628723-3 6-4	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-HYDROXYETHYL TOCOPHERYLSUCCINOYLAM IDO HYDROXYPROPANE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
BIS-HYDROXYLAURYL DIMETHICONE/IPDI COPOLYMER	BIS-HYDROXYLAURYL DIMETHICONE/IPDI COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-ISOBUTYL PEG-14/AMODIMETHICONE COPOLYMER	BIS-ISOBUTYL PEG-14/AMODIMETHICON E COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-ISOBUTYL PEG-14/AMODIMETHICONE COPOLYMER	BIS-ISOBUTYL PEG-14/AMODIMETHICON E COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BIS-ISOBUTYL PEG-14/AMODIMETHICONE COPOLYMER	BISISOBUTYL PEG14/AMODIMETHICONE COPOLYMER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-ISOBUTYL PEG-14/AMODIMETHICONE COPOLYMER	BISISOBUTYL PEG14/AMODIMETHICONE COPOLYMER	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
BIS-ISOBUTYL PEG-15/AMODIMETHICONE COPOLYMER	BISISOBUTYL PEG15/AMODIMETHICONE COPOLYMER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-ISOBUTYL PEG-15/AMODIMETHICONE COPOLYMER	BISISOBUTYL PEG15/AMODIMETHICONE COPOLYMER	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
BIS-PEG-1 DIMETHICONE	BIS-PEG-1 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG-1 DIMETHICONE	BisPeg1 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-12 DIMETHICONE	BIS-PEG-12 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG-12 DIMETHICONE	BIS-PEG-12 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG-12 DIMETHICONE	BisPeg12 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-12 DIMETHICONE BEESWAX	BIS-PEG-12 DIMETHICONE BEESWAX	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG-12 DIMETHICONE BEESWAX	BIS-PEG-12 DIMETHICONE BEESWAX	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG-12 DIMETHICONE BEESWAX	BisPeg12 Dimethicone Beeswax	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-12 DIMETHICONE CANDELILLATE	BIS-PEG-12 DIMETHICONE CANDELILLATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG-12 DIMETHICONE CANDELILLATE	BIS-PEG-12 DIMETHICONE CANDELILLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG-12 DIMETHICONE CANDELILLATE	BisPeg12 Dimethicone Candelillate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BIS-PEG-15 DIMETHICONE/ IPDI COPOLYMER	BIS-PEG-15 DIMETHICONE/ IPDI COPOLYMER	190793-1 8-1	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG-15 DIMETHICONE/ IPDI COPOLYMER	BisPeg15 Dimethicone/ Ipdi Copolymer	190793-1 8-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-15 METHYL ETHER DIMETHICONE	BIS-PEG-15 METHYL ETHER DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG-15 METHYL ETHER DIMETHICONE	BIS-PEG-15 METHYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG-15 METHYL ETHER DIMETHICONE	BisPeg15 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-18 METHYL ETHER	BisPeg18 Methyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-18 METHYL ETHER DIMETHYL SILANE	BisPeg18 Methyl Ether Dimethyl Silane	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-20 DIMETHICONE	BIS-PEG-20 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG-20 DIMETHICONE	BisPeg20 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-4 DIMETHICONE	BIS-PEG-4 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG-4 DIMETHICONE	BIS-PEG-4 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG-4 DIMETHICONE	BisPeg4 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG-8 DIMETHICONE	BIS-PEG-8 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG-8 DIMETHICONE	BIS-PEG-8 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BIS-PEG-8 DIMETHICONE	BisPeg8 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG/ PPG-14/ 14 DIMETHICONE	BIS-PEG/ PPG-14/ 14 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG/ PPG-14/ 14 DIMETHICONE	BIS-PEG/ PPG-14/ 14 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG/ PPG-14/ 14 DIMETHICONE	BisPeg/ Ppg14/ 14 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG/ PPG-16/ 16 DIMETHICONE	BIS-PEG/ PPG-16/ 16 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG/ PPG-16/ 16 DIMETHICONE	BisPeg/ Ppg16/ 16 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG/ PPG-20/ 20 DIMETHICONE	BIS-PEG/ PPG-20/ 20 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG/ PPG-20/ 20 DIMETHICONE	BIS-PEG/ PPG-20/ 20 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG/ PPG-20/ 20 DIMETHICONE	BisPeg/ Ppg20/ 20 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-PEG/PPG-16/16 PEG/PPG-16/16 DIMETHICONE	BIS-PEG/PPG-16/16 PEG/PPG-16/16 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS-PEG/PPG-16/16 PEG/PPG-16/16 DIMETHICONE	BIS-PEG/PPG-16/16 PEG/PPG-16/16 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BIS-PEG/PPG-16/16 PEG/PPG-16/16 DIMETHICONE	BisPeg/ppg16/16 Peg/ppg16/16 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIS-STEARYL DIMETHICONE	BIS-STEARYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BIS-VINYL DIMETHICONE/DIMETHICO NE COPOLYMER	BIS-VINYL DIMETHICONE/DIMETHIC ONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BIS(C13-15 ALKOXY) PG-AMODIMETHICONE	BIS(C13-15 ALKOXY) PG-AMODIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BISABOLOL	BISABOLOL	515-69-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
BISABOLOL	αBisabolol	515-69-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.42 % Category 2) 0.13 % Category 3) 2.5 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.60 % Category 5C) 0.60 % Category 5D) 0.20 % Category 6) 1.4 % Category 7A) 3.0 % Category 7B) 3.0 % Category 8) 0.20 % Category 9) 4.6 % Category 10A) 4.6 % Category 10B) 17 % Category 11A) 0.20 % Category 11B) 0.20 % Category 12) No Restriction	
BISABOLOL	αBisabolol	515-69-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.42 % Category 2) 0.13 % Category 3) 2.5 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.60 % Category 5C) 0.60 % Category 5D) 0.20 % Category 6) 1.4 % Category 7A) 3.0 % Category 7B) 3.0 % Category 8) 0.20 % Category 9) 4.6 % Category 10A) 4.6 % Category 10B) 17 % Category 11A) 0.20 % Category 11B) 0.20 % Category 12) No Restriction	
BISABOLOL	αBisabolol	515-69-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.42 % Category 2) 0.13 % Category 3) 2.5 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.60 % Category 5C) 0.60 % Category 5D) 0.20 % Category 6) 1.4 % Category 7A) 3.0 % Category 7B) 3.0 % Category 8) 0.20 % Category 9) 4.6 % Category 10A) 4.6 % Category 10B) 17 % Category 11A) 0.20 % Category 11B) 0.20 % Category 12) No Restriction	
BISABOLOL	αBisabolol	515-69-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.42 % Category 2) 0.13 % Category 3) 2.5 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.60 % Category 5C) 0.60 % Category 5D) 0.20 % Category 6) 1.4 % Category 7A) 3.0 % Category 7B) 3.0 % Category 8) 0.20 % Category 9) 4.6 % Category 10A) 4.6 % Category 10B) 17 % Category 11A) 0.20 % Category 11B) 0.20 % Category 12) No Restriction	
BISABOLOL	αBisabolol	515-69-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.42 % Category 2) 0.13 % Category 3) 2.5 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.60 % Category 5C) 0.60 % Category 5D) 0.20 % Category 6) 1.4 % Category 7A) 3.0 % Category 7B) 3.0 % Category 8) 0.20 % Category 9) 4.6 % Category 10A) 4.6 % Category 10B) 17 % Category 11A) 0.20 % Category 11B) 0.20 % Category 12) No Restriction	
BISABOLOL	αBisabolol	515-69-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.42 % Category 2) 0.13 % Category 3) 2.5 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.60 % Category 5C) 0.60 % Category 5D) 0.20 % Category 6) 1.4 % Category 7A) 3.0 % Category 7B) 3.0 % Category 8) 0.20 % Category 9) 4.6 % Category 10A) 4.6 % Category 10B) 17 % Category 11A) 0.20 % Category 11B) 0.20 % Category 12) No Restriction	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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BISAMINO PEG/ PPG-41/ 3 AMINOETHYL PG-PROPYL DIMETHICONE	BISAMINO PEG/ PPG-41/ 3 AMINOETHYL PG-PROPYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BISAMINO PEG/ PPG-41/ 3 AMINOETHYL PG-PROPYL DIMETHICONE	Bisamino Peg/ Ppg41/ 3 Aminoethyl PgPropyl Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BISMUTH OXYCHLORIDE	BISMUTH OXYCHLORIDE	7787-59- 9	Per the U.S. FDA., the color additive bismuth oxychloride shall conform to the following specifications and shall be free from impurities other than those named to the extent that such other impurities may be avoided by good manufacturing practice: Volatile matter, not more than 0.5 percent. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 1 part per million. Bismuth oxychloride, not less than 98 percent.; (2) Color additive mixtures of bismuth oxychloride may contain the following diluents: (i) For coloring cosmetics generally, only those diluents listed under § 73.1001(a)(1) & (ii) For coloring externally applied cosmetics, only those diluents listed in § 73.1001(b) and, in addition, nitrocellulose.	
BISPOLYETHYLENE DIMETHICONE	Bispolyethylene Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BITTER CHERRY SEED OIL PEG-8 ESTERS	Bitter Cherry Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BIXA ORELLANA (ANNATTO) SEED EXTRACT	Annatto	89957-43 -7	The European Commission restricts the arsenic, lead, mercury, cadmium, and total heavy metal contents of this ingredient to maximum concentrations of 3 ppm, 10 ppm, 1 ppm, 1 ppm, and 40 ppm, respectively.	
BIXA ORELLANA (ANNATTO) SEED EXTRACT	Annatto	89957-43 -7	This ingredient must meet purity criteria as set out in European Commission Directive: Solvent residues Acetone, Methanol, or Hexane not more than 50 ppm singly or in combination; Dichloromethane not more than 10 ppm; Arsenic not more than 3 ppm, Lead	
BIXA ORELLANA (ANNATTO) SEED EXTRACT	BIXA ORELLANA (ANNATTO) SEED EXTRACT	89957-43 -7	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 160b)	
BOIS DE ROSE (ROSEWOOD) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
BOIS DE ROSE (ROSEWOOD) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
BORAGE SEED OIL PEG-8 ESTERS	BORAGE SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BORAGE SEED OIL PEG-8 ESTERS	Borage Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BORAGO OFFICINALIS (BORAGE)	BORAGO OFFICINALIS SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
BORAGO OFFICINALIS (BORAGE) SEED OIL	BORAGO OFFICINALIS SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
BORATE(1-), TETRAHYDRO-, ALUMINUM	Aluminum Compounds	16962-07 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BORON NITRIDE	BORON NITRIDE	10043-11 -5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 25%.	
Branched alcohol ethoxylates	Branched Alcohol Ethoxylates	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BRASSICA CAMPESTRIS (RAPESEED) OIL UNSAPONIFIABLES	BRASSICA CAMPESTRIS (RAPESEED) OIL UNSAPONIFIABLES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BRASSICA CAMPESTRIS (RAPESEED) SEED OIL	BRASSICA CAMPESTRIS (RAPESEED) SEED OIL	8002-13- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 17%.	
BRASSICA OLERACEA (ORNAMENTAL CABBAGE)	BRASSICA OLERACEA (ORNAMENTAL CABBAGE)	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
BRASSICA OLERACEA ITALICA (BROCCOLI) SEED OIL	BRASSICA OLERACEA ITALICA (BROCCOLI) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
BRASSICAMIDOPROPYL DIMETHYLAMINE	Brassicamidopropyl dimethylamine	0	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
BROMELAIN	Bromelain	37189-34 -7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
BROMELAIN	Bromelain	9001-00- 7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
BROMELAIN	Bromelain	37189-34 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BROMELAIN	Bromelain	9001-00- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
BROMOCHLOROPHENE	2,2'Methylenebis(6bromo4c hlorophenol)	15435-29 -7	(*) The European Commission restricts this ingredient to a maximum concentration of 0.10%	
BUTANE	Butane	106-97-8	The European Commission bans this ingredient from use in cosmetics if it contains over 0.1% w/w Butadiene	
BUTANE	Butane	106-97-8	Health Canada bans this ingredient from use in cosmetics if it contains over 0.1% w/w Butadiene.	
BUTETH-3	Buteth3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
BUTETH-3	Buteth3	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.33%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BUTOXYDIGLYCOL	Butoxydiglycol	112-34-5	The European Commission restricts this ingredient to a maximum concentration of 9% in hair dye products. Additionally, this solvent cannot be used in aerosol dispensers (sprays).	
BUTYL ACRYLATE/ETHYLHEXYL METHACRYLATE COPOLYMER	BUTYL ACRYLATE/ETHYLHEXYL METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
BUTYL ACRYLATE/ETHYLHEXYL METHACRYLATE COPOLYMER	BUTYL ACRYLATE/ETHYLHEXYL METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
BUTYL ACRYLATE/GLYCOL DIMETHACRYLATE CROSSPOLYMER	Butyl Acrylate/Glycol Dimethacrylate Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 10%	
BUTYL ACRYLATE/GLYCOL DIMETHACRYLATE CROSSPOLYMER	BUTYL ACRYLATE/GLYCOL DIMETHACRYLATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
BUTYL ACRYLATE/HYDROXYETHYL METHACRYLATE COPOLYMER	BUTYL ACRYLATE/HYDROXYETHY L METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
BUTYL ACRYLATE/HYDROXYETHYL METHACRYLATE COPOLYMER	BUTYL ACRYLATE/HYDROXYETHY L METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
BUTYL ACRYLATE/HYDROXYPROPY L DIMETHICONE ACRYLATE COPOLYMER	BUTYL ACRYLATE/HYDROXYPROP YL DIMETHICONE ACRYLATE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
BUTYL ACRYLATE/STYRENE COPOLYMER	BUTYL ACRYLATE/STYRENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BUTYL ALCOHOL	nButyl alcohol	71-36-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15% in nail products and 0.002% in all other products.	
BUTYL BENZOATE	Benzoate	136-60-7	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
BUTYL BENZOIC ACID/PHTHALIC ANHYDRIDE/TRIMETHYLOL ETHANE COPOLYMER	Butyl Benzoic Acid/phthalic Anhydride/trimethyloletha ne Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BUTYL CINNAMALDEHYDE	αButylcinnamaldehyde	7492-44- 6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.15% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.45% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.24% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.72% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.01% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
BUTYL CINNAMALDEHYDE	αButylcinnamaldehyde	7492-44- 6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077% Category 2) 0.023% Category 3) 0.46% Category 4) 0.43% Category 5A) 0.11% Category 5B) 0.11% Category 5C) 0.11% Category 5D) 0.036% Category 6) 0.25% Category 7A) 0.88% Category 7B) 0.88% Category 8) 0.036% Category 9) 0.84% Category 10A) 0.84% Category 10B) 3.0% Category 11A) 0.036% Category 11B) 0.036% Category 12) No Restriction	
BUTYL DIMETHICONE ACRYLATE/CYCLOHEXYLMET HACRYLATE/ETHYLHEXYL ACRYLATE COPOLYMER	BUTYL DIMETHICONE ACRYLATE/CYCLOHEXYLM ETHACRYLATE/ETHYLHEX YL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
BUTYL ESTER OF PVM/ MA COPOLYMER	BUTYL ESTER OF PVM/MA COPOLYMER	25119-68- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 14%.	
BUTYL ETHYL PROPANEDIOL	BUTYL ETHYL PROPANEDIOL	115-84-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BUTYL LACTATE	BUTYL LACTATE	138-22-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
BUTYL STEARATE	BUTYL STEARATE	123-95-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 9%.	
BUTYL THIOGLYCOLATE	BUTYL THIOGLYCOLATE	10047-28 -6	The European Commission restricts this ingredient to a maximum concentration of 8% (calculated as thioglycolic acid) in hair waving products and 11% (calculated as thioglycolic acid) in hair straightening products. Required Warning: The European Commission requires the following conditions of use on the label/package of general and professional use hair waving or straightening products: 'May cause sensitization in the event of skin contact'; 'Avoid contact with eyes'; 'In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice'; 'Wear suitable gloves'. Additionally, the following warning text are required: 'Contains thioglycolate'; 'Follow the instructions'; 'Keep out of reach of children'. Lastly, the following warning must also be labeled in addition to the above on professional use hair waving or straightening products: 'For professional use only'	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
BUTYL THIOGLYCOLATE	BUTYL THIOGLYCOLATE	10047-28 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15.2% (as thioglycolic acid) in hair straighteners, permanent waves, tonics, dressings, wave sets, other noncoloring hair products, and hair dyes and colors.	
BUTYLATED PVP	BUTYLATED PVP	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BUTYLDIMETHICONE METHACRYLATE/METHYL METHACRYLATE CROSSPOLYMER	BUTYLDIMETHICONE METHACRYLATE/METHYL METHACRYLATE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BUTYLENE GLYCOL COCOATE	BUTYLENE GLYCOL COCOATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
BUTYLENE GLYCOL DICAPRYLATE/DICAPRATE	BUTYLENE GLYCOL DICAPRYLATE/DICAPRATE	211107-8 4-5	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 10%.	
BUTYLENE/ ETHYLENE/ PROPYLENE COPOLYMER	BUTYLENE/ ETHYLENE/ PROPYLENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BUTYLENE/ ETHYLENE/ STYRENE COPOLYMER	BUTYLENE/ ETHYLENE/ STYRENE COPOLYMER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8.2%	
BUTYLENE/ ETHYLENE/ STYRENE COPOLYMER	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
BUTYLENE/ETHYLENE COPOLYMER	BUTYLENE/ETHYLENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
BUTYLOCTYL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
BUTYLOCTYL SALICYLATE	BUTYLOCTYL SALICYLATE	190085-4 1-7	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
BUTYLOCTYL SALICYLATE	BUTYLOCTYL SALICYLATE	190085-4 1-7	Based on EWG scientists' risk assessment using reproductive toxicity data, butyloctyl salicylate (BOS) is limited to 0.02% in baby products.	
BUTYROSPERMUM PARKII (SHEA BUTTER) OIL	BUTYROSPERMUM PARKII (SHEA) OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 15%	
BUTYROSPERMUM PARKII (SHEA BUTTER) UNSAPONIFIABLES	BUTYROSPERMUM PARKII (SHEA) BUTTER UNSAPONIFIABLES	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	AMODIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C31 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C32 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C33 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C34 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	

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C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C35 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C36 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C37 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C38 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C39 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C40 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C41 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C42 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C43 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C44 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	C45 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C 26-28 ALKYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	CETYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
C,C'-AZODI(FORMAMIDE)	Azodicarbamide	123-77-3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
C.I. PIGMENT YELLOW 36	Levafix Brilliant Yellow E36	37300-23 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
C.I. REACTIVE YELLOW 39	Lanasol Yellow 4G	12226-61- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
C10 Alcohol Ethoxylate	C10 Alcohol Ethoxylate	00000-0 0-0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C10 Alcohol Ethoxylated Propoxylated	C10 Alcohol Ethoxylated Propoxylated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
C10-12 Branched Alcohols Ethoxylated 5-7EO	C1012 Branched Alcohols Ethoxylated 57eo	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C10-13 ALKYL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
C10-15 ALKYL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
C10-16 Alcohols Ethoxylated Propoxylated	C1016 Alcohols Ethoxylated Propoxylated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C10-16 Pareth-1	C1016 PARETH1	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C10-18 TRIGLYCERIDES	C1018 triglycerides	85665-33 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 48%	
C10-40 ISOALKYL ACID	C10-40 ISOALKYL ACID	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.18%	
C10-40 ISOALKYL ACID OCTYLDODECANOL ESTERS	C10-40 ISOALKYL ACID OCTYLDODECANOL ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
C10-40 ISOALKYL ACID TRIGLYCERIDE	C10-40 ISOALKYL ACID TRIGLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C11-15 PARETH-7 CARBOXYLIC ACID	C1115 Pareth7 Carboxylic Acid	68954-90 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-13 ALKYL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
C12-13 PARETH-7	C1213 PARETH7	66455-14 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-14 Alcohols Ethoxylated Propoxylated	C1214 Alcohols Ethoxylated Propoxylated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-14 Pareth-11	C12-14 Pareth-11	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
C12-14 Pareth-11	C1214 Pareth11	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-14 PARETH-3	C1214 PARETH3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
C12-14 PARETH-7	C1214 PARETH7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-15 ALCOHOL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
C12-15 Alcohols Ethoxylated Propoxylated	C1215 Alcohols Ethoxylated Propoxylated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-15 ALKYL BENZOATE	C1215 ALKYL BENZOATE	68411-27 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 59%.	
C12-15 ALKYL SALICYLATE	C12 ALKYL SALICYLATE	0	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
C12-15 ALKYL SALICYLATE	C12-15 ALKYL SALICYLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
C12-15 PARETH-2	C1215 PARETH2	68131-39- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-15 PARETH-3	C1215 PARETH3	68131-39- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-15 PARETH-3 BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
C12-15 PARETH-7	C1215 PARETH7	68131-39- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-15 PARETH-9	C1215 PARETH9	68131-39- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-16 Alcohols Ethoxylated 7EO	C1216 Alcohols Ethoxylated 7eo	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-16 ALKYL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
C12-16 ALKYL PEG-2 HYDROXYPROPYL HYDROXYETHYL ETHYLCELLULOSE	C1216 Alkyl Peg2 Hydroxypropyl Hydroxyethyl Ethylcellulose	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-18 ACID TRIGLYCERIDE	C1218 Acid Triglyceride	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.33%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
C12-20 ACID PEG-20 ESTER	C1220 Acid Peg20 Ester	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-20 ACID PEG-8 ESTER	C1220 Acid Peg8 Ester	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C12-20 ISOPARAFFIN	C1220 ISOPARAFFIN	64742-46 -7	The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
C13-15 ALKANE	C1315 ALKANE; C1519 ALKANE; C1821 ALKANE	64742-46 -7	CosIng Annex II/875: Distillates (petroleum), hydrotreated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
C14-15 DIALKYL CARBONATE	C14-15 DIALKYL CARBONATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
C14-15 PARETH-7	C1415 PARETH7	68951-67 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C14-28 ALKYL ACID	C14-28 ALKYL ACID	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.075%	
C14-28 ISOALKYL ACID	C14-28 ISOALKYL ACID	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.075%	
C15-19 ALKANE	C1315 ALKANE; C1519 ALKANE; C1821 ALKANE	64742-46 -7	CosIng Annex II/875: Distillates (petroleum), hydrotreated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
C16-17 ALKYL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
C16-17 ALKYL BENZOATE	C16-17 ALKYL BENZOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C16-22 ACID AMIDE MEA	C16-22 ACID AMIDE MEA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
C16-22 ACID AMIDE MEA	C1622 Acid Amide MEA	0	(*) The Cosmetic Ingredient Review does not allow the use of this ingredient in cosmetic products where Nnitroso compounds may be formed.	
C18-21 ALKANE	C1315 ALKANE; C1519 ALKANE; C1821 ALKANE	0	CosIng Annex II/875: Distillates (petroleum), hydrotreated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
C18-22 HYDROXYALKYL HYDROXYPROPYL GUAR	C18-22 HYDROXYALKYL HYDROXYPROPYL GUAR	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C18-36 ACID TRIGLYCERIDE	C1836 acid triglyceride	91052-08 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 26%	
C20-22 ALKYL PHOSPHATE	C20-22 ALKYL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
C20-24 ALKYL DIMETHICONE	C20-24 ALKYL DIMETHICONE	200074-7 6-6	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
C24-28 ALKYL DIMETHICONE	C24-28 ALKYL DIMETHICONE	192230-2 9-8	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
C24-28 ALKYL	C24-28 ALKYL	192230-2	According to the Cosmetic Ingredient Review, cyclic	
DIMETHICONE	DIMETHICONE	9-8	siloxanes, which are banned or restricted ingredients,	
			can contaminate linear sloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
C24-28 ALKYL METHICONE	C24-28 ALKYL METHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100 ppm in the final product	
C24-28 ALKYL METHICONE	C24-28 ALKYL METHICONE	0	The Cosmetic Ingredient Review found this substance	
C24-28	Silica amorphous: silicate:	0	A 2019 CIR report lists the following heavy metal limits	
ALKYLDIMETHYLSILOXY TRIMETHYLSILOXYSILICATE	borosilicate	0	for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
C24-28	Silica, amorphous; silicate;	0	A 2019 CIR report lists the following heavy metal limits	
ALKYLDIMETHYLSILOXY TRIMETHYLSILOXYSILICATE	borosilicate		for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these	
		-	substances as well.	
C26-28 ALKYL DIMETHICONE	C26-28 ALKYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product	
C30-45 ALKYL CETEARYL	C30-45 ALKYL CETEARYL	443892-0	According to the Cosmetic Ingredient Review, cyclic	
DIMETHICONE CROSSPOLYMER	DIMETHICONE CROSSPOLYMER	5-5	siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
C30-45 ALKYL CETEARYL DIMETHICONE CROSSPOLYMER	C30-45 ALKYL CETEARYL DIMETHICONE CROSSPOLYMER	443892-0 5-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C30-45 ALKYL DIMETHICONE	C30 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
C30-45 ALKYL	C30-45 ALKYL	0	According to the Cosmetic Ingredient Review, cyclic	
DIMETHICONE	DIMETHICONE		siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
C30-45 ALKYL DIMETHICONE	C30-45 ALKYL DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C30-45 ALKYL DIMETHICONE/POLYCYCLO HEXENE OXIDE CROSSPOLYMER	C30-45 ALKYL DIMETHICONE/POLYCYCL OHEXENE OXIDE CROSSPOLYMER	330809-2 7-3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
C30-45 ALKYL DIMETHICONE/POLYCYCLO HEXENE OXIDE CROSSPOLYMER	C30-45 ALKYL DIMETHICONE/POLYCYCL OHEXENE OXIDE CROSSPOLYMER	330809-2 7-3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
C30-45 ALKYL DIMETHICONE/POLYCYCLO HEXENE OXIDE CROSSPOLYMER	C30-45 ALKYL DIMETHICONE/POLYCYCL OHEXENE OXIDE CROSSPOLYMER	330809-2 7-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C30-45 ALKYL METHICONE	C30-45 ALKYL METHICONE	246864-8 8-0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
C30-45 ALKYL METHICONE	C30-45 ALKYL METHICONE	246864-8 8-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C30-45 ALKYLDIMETHYLSILYL PROPYLSILSEQUIOXANE	C3045 Alkyldimethylsilyl Polypropylsilsesquioxane	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 5%	
C32-36 ISOALKYL ACID	C32-36 ISOALKYL ACID	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
C4-24 ALKYL DIMETHICONE/DIVINYLDIM ETHICONE CROSSPOLYMER	C4-24 ALKYL DIMETHICONE/DIVINYLD IMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
C4-24 ALKYL DIMETHICONE/DIVINYLDIM ETHICONE CROSSPOLYMER	C4-24 ALKYL DIMETHICONE/DIVINYLD IMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C4-6 OLEFIN/STYRENE COPOLYMER	C4-6 OLEFIN/STYRENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C5-6 OLEFIN/STYRENE COPOLYMER	C5-6 OLEFIN/STYRENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
C6-12 Alcohols Ethoxylated Propoxylated	C612 Alcohols Ethoxylated Propoxylated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C6-20 Alcohols Ethoxylated Propoxylated	C620 Alcohols Ethoxylated Propoxylated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C8-10 Alcohols Ethoxylated Propoxylated	C810 Alcohols Ethoxylated Propoxylated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C8-10 ALKANE/CYCLOALKANE/AR OMATIC HYDROCARBONS	C810 ALKANE/CYCLOALKANE/A ROMATIC HYDROCARBONS	64742-82 -1	The European Commission bans this ingredient from use in cosmetics if its benzene content is over 0.1%.	
C8-10 ALKYL ETHYL PHOSPHATE	C8-10 ALKYL ETHYL PHOSPHATE	68412-60 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
C8-12 ACID TRIGLYCERIDE	C8-12 ACID TRIGLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
C8-22 ALKYL ACRYLATES/METHACRYLIC ACID CROSSPOLYMER	C8-22 ALKYL ACRYLATES/METHACRYLIC ACID CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
C8-22 ALKYL ACRYLATES/METHACRYLIC ACID CROSSPOLYMER	C8-22 ALKYL ACRYLATES/METHACRYLIC ACID CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
C9-10 ALKANE/CYCLOALKANE	C910 ALKANE/CYCLOALKANE	64742-49 -0	The European Commission bans this ingredient from use in cosmetics if its benzene content is over 0.1%.	
C9-11 Alcohols Ethoxylated 4-6EO	C911 Alcohols Ethoxylated 46eo	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C9-11 ALKANE/CYCLOALKANE C9-11 ALKANE/CYCLOALKANE	C911 ALKANE/CYCLOALKANE C911 ALKANE/CYCLOALKANE	64742-49 -0	The European Commission bans this ingredient from use in cosmetics if its benzene content is over 0.1%.	
C9-11 PARETH-3	C911 PARETH3	68439-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C9-11 PARETH-8	C911 PARETH8	68439-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
C9-15 ALKYL PHOSPHATE	C9-15 ALKYL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CAESALPINIA SPINOSA GUM	CAESALPINIA SPINOSA GUM	39300-88 -4	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%	
CAESALPINIA SPINOSA HYDROXYPROPYLTRIMONIU M CHLORIDE	CAESALPINIA SPINOSA HYDROXYPROPYLTRIMON IUM CHLORIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CAFFEINE	CAFFEINE	58-08-2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentrations of 6%.	
CAFFEINE	CAFFEINE	58-08-2	The Cosmetic Ingredient Review Expert Panel concluded caffeine is safe as used at concentrations < 6%	
CAFFEINE BENZOATE	Benzoate	5743-17- 9	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
CALCIUM ALGINATE	CALCIUM ALGINATE	9005-35- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CALCIUM ALUMINUM BOROSILICATE	Aluminum Compounds	65997-17 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CALCIUM ALUMINUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	65997-17 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CALCIUM ALUMINUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	65997-17 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM ALUMINUM HYDROXIDE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CALCIUM ASPARTATE	CALCIUM ASPARTATE	21059-46 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CALCIUM BEHENATE	CALCIUM BEHENATE	3578-72-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
CALCIUM BENZOATE	Benzoate	2090-05- 3	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
CALCIUM BENZOATE	CALCIUM BENZOATE	2090-05- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.004%.	
CALCIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	59794-15 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	59794-15 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM CARBONATE	Calcium carbonate	1317-65-3	The European Commission restricts the arsenic, lead, cadmium, fluoride, antimony, copper, zinc, and barium contents of this ingredient to maximum concentrations of 3 ppm, 10 ppm, 1 ppm, 50 ppm, 100 ppm, 100 ppm, 100 ppm, and 100 ppm, respectively.	
CALCIUM CARBONATE	CALCIUM CARBONATE	1317-65-3	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 170)	
CALCIUM CARRAGEENAN	CALCIUM CARRAGEENAN	9049-05- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CALCIUM CASEINATE	CALCIUM CASEINATE	9005-43- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CALCIUM FLUORIDE	caicium fluoride	5	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains calcium fluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentiet or dector'	
CALCIUM FLUORIDE	CALCIUMFLUORIDE	7789-75- 5	Health Canada restricts the use of this ingredient to nonoral products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CALCIUM FLUORIDE	Fluoride containing substances	7789-75- 5	Health Canada prohibits fluoride containing substances in oral products. EXCEPTION: sodium fluoride, sodium monofluorophosphate, and stannous fluoride may be used in medicinal oral products, as defined by Health Canada, Oral Health Products Monograph.	
CALCIUM FRUCTOBORATE	CALCIUM FRUCTOBORATE	0	The European Commission restricts this ingredient to a maximum concentration of 5% (as boric acid) in talc, but it cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). Additionally, the European Commission restricts its concentration to 0.1% (as boric acid) in oral products. For all other products (excluding bath products and hair waving products), the maximum concentration is restricted to 3% (as boric acid) and cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). For all product types, this ingredient cannot be used for children under 3 years of age. Required Warning: The European Commission requires the following warning text on the label/package of talc products, the following are required on the product label/package: 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used on peeling or irritated skin'	
CALCIUM GLUCONATE	CALCIUM GLUCONATE	299-28-5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1%.	
CALCIUM HYDROXIDE	Calcium hydroxide	1305-62- 0	The European Commission restricts this ingredient to a maximum concentration of 7% (as calcium hydroxide) in twocomponent (calcium hydroxide and guanidine salt) hair straighteners. Additionally, as a pH adjuster, the pH must be less than 12.7 in depilatories and less than 11 in all other uses. Required Warning: The European Commission requires the following warning text on the product label/package of hair straighteners containing two components (calcium hydroxide and a guanidine salt): 'Contains alkali'; 'Avoid contact with eyes'; 'Can cause blindness'; 'Keep out of reach of children'. As a pH adjuster for depilatories, the following are required on the label: 'Contains alkali'; 'Keep out of reach of children'; 'Avoid contact with eyes'	
CALCIUM HYDROXIDE	Calcium hydroxide	1305-62- 0	(*) The Cosmetic Ingredient Review has determined that users should minimize skin contact for hair straighteners and depilatories that contain this ingredient.	
CALCIUM HYDROXIDE	CALCIUM HYDROXIDE	1305-62- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CALCIUM LACTATE	CALCIUM LACTATE	5743-48- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
CALCIUM LAURATE	CALCIUM LAURATE	4696-56- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
CALCIUM LAUROYL TAURATE	CALCIUM LAUROYL TAURATE	138705-2 5-6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CALCIUM MONOFLUOROPHOSPHATE	CALCIUM MONOFLUOROPHOSPHATE	7789-74- 4	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains calcium monofluorophosphate'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
CALCIUM OXIDE SILICATE (CA3O(SIO4))	Silica, amorphous; silicate; borosilicate	12168-85 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM OXIDE SILICATE (CA3O(SIO4))	Silica, amorphous; silicate; borosilicate	12168-85 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM PANTOTHENATE	CALCIUM PANTOTHENATE	137-08-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.5%	
CALCIUM PARABEN	CALCIUM PARABEN	69959-44 -0	Per COSING, the maximum concentration in RTU preparation is 0.4% (as acid) for single ester and 0.8% (as acid) for mixtures of esters.	
CALCIUM PCA	CALCIUM PCA	31377-05 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CALCIUM PEROXIDE		1305-79-9	The European Commission restricts this ingredient to a maximum concentration of 12% of H2O2 (40 volumes, present or released) in hair products, 4% of H2O2 (present or released) in skin products, 2% of H2O2 (present or released) in oral products, 0.1% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in tooth whitening or bleaching products. Additionally, the products with this ingredient can only be sold to dental practitioners, and for each cycle of use, the first use must be done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards, the product may be provided to the consumer to complete the cycle of use. The product cannot to be used on a person under 18 years of age. Lastly, for products intended for eyelashes, the concentration cannot exceed 2% of H2O2, present or released, and is permitted for professional use only. Required Warning: The European Commission requires the following on the label/package of hair products: 'Wear suitable gloves'; 'Contains hydrogen peroxide'; 'Avoid contact with them'. For skin and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'; For each cycle of use, the first use to be only done by dental practitioners or under the yes'; 'Rinse immediately if product comes into contact with them'; For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use'. Lastly, the be used on a person under 18 years of age'; 'To be only sold to dental pra	
CALCIUM PEROXIDE	CALCIUM PEROXIDE	1305-79- 9	According to Section 13 of Canada's Cosmetic Regulations the pH of oral products containing this ingredient must be greater than or equal to 4.0. Additionally, if an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit a clinical study to demonstrate the salivary peroxide levels do not exceed 3% during the use of the product as per the directions of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CALCIUM PEROXIDE	CALCIUMPEROXIDE	1305-79- 9	Health Canada requires manufacturers of oral products containing peroxides or peroxidegenerating compounds to submit the following information: data on the pH of the cosmetic product, when it is applied to the tooth or teeth, i.e. that the pH is greater than or equal to 4.0; product labelling demonstrating that all cautionary statement requirements have been met. If an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit safety evidence that the product does not cause the saliva or soft tissue of the oral cavity to exceed 3% hydrogen peroxide, and is safe when used as directed. Required Warning: Health Canada requires the following warning text on the package/label of oral products: 'If irritation (such as redness, swelling, soreness) of the gums or the mouth occurs, discontinue use and consult a dentist'; 'Products containing peroxides are not recommended for use by children under 12 years of age'; 'Use for periods of longer than 14 days is to be only under the supervision of a dentist'; 'Avoid swallowing the cosmetic or part thereof'; 'Avoid contact of the product with the eye'; 'Avoid direct contact of the active surface of the tooth whitening product with the gums and/or salivary flow.'	
CALCIUM POTASSIUM CARBOMER	CALCIUM POTASSIUM CARBOMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
CALCIUM POTASSIUM CARBOMER	CALCIUM POTASSIUM CARBOMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CALCIUM SALICYLATE	CALCIUM SALICYLATE	824-35-1	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
CALCIUM SALICYLATE	CALCIUM SALICYLATE	824-35-1	Per COSING, the maximum concentration in RTU preparation is 0.5%. This ingredient is not to be used in products for children under 3 years of age (except for shampoos), in oral products, or in applications that may lead to exposure of the end-user's lungs by inhalation.	
CALCIUM SALICYLATE	Salicylic acid and its salts	824-35-1	Europe restricts this chemical: Maximum concentration in ready for use preparation: 0.5%; Not to be used in products for children under 3 years of age, except for shampoos. Required Warning: Required warning: Not to be used for children under 3 years of age***. ***Solely for products which might be used for children under 3 years of age and which remain in prolonged contact with the skin.	
CALCIUM SILICATE	Calcium silicate	10101-39- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
CALCIUM SILICATE	Silica, amorphous; silicate; borosilicate	10101-39- 0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CALCIUM SILICATE	Silica, amorphous; silicate; borosilicate	10101-39- 0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM SILICOFLUORIDE	Silica, amorphous; silicate; borosilicate	16925-39- 6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM SILICOFLUORIDE	Silica, amorphous; silicate; borosilicate	16925-39- 6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM SODIUM BOROSILICATE	Calcium Sodium Borosilicate	65997-17 -3	The Consumer Ingredient Review considers this ingredient safe as used at concentrations < 97% and report lists the following heavy metal limits: lead (<10 ppm), arsenic (< 2 ppm), mercury (<1 ppm).	
CALCIUM SODIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	65997-17 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM SODIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	65997-17 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM SODIUM PHOSPHOSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM SODIUM PHOSPHOSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM STARCH ISODODECENYLSUCCINATE	CALCIUM STARCH ISODODECENYLSUCCINAT E	194810-8 8-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CALCIUM STARCH	CALCIUM STARCH	0	The Cosmetic Ingredient Review found this substance	
CALCIUM STEARATE	CALCIUM STEARATE	1592-23- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 23%.	
CALCIUM STEAROYL LACTYLATE	CALCIUM STEAROYL LACTYLATE	5793-94- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CALCIUM SULFIDE	calcium sulfide	20548-54 -3	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
CALCIUM SULFIDE	calcium sulfide	20548-54 -3	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
CALCIUM SULFIDE	calcium sulfide	1344-81- 6	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
CALCIUM SULFIDE	CALCIUMSULFIDE	20548-54 -3	Health Canada restricts this ingredient to a maximum concentration of 6% (sulfur) in depilatory products.	
CALCIUM SULFIDE	CALCIUMSULFIDE	1344-81- 6	Health Canada restricts this ingredient to a maximum concentration of 6% (sulfur) in depilatory products.	
CALCIUM THIOGLYCOLATE	CALCIUM THIOGLYCOLATE	814-71-1	The European Commission restricts this ingredient to a maximum concentration of 8% (as thioglycolic acid) with a pH of 7 to 9.5 in general use hair products, 11% (as thioglycolic acid) with a pH of 7 to 9.5 in professional use hair products, 5% (as thioglycolic acid) with a pH of 7 to 9.5 in hair rinseoff products. Required Warning: The European Commission requires the following conditions of use on the label/package of hair products, depilatories and hair rinseoff products: 'Avoid contact with eyes'; 'In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice'. Additionally, the following conditions of use on hair products and hair rinseoff products: 'Wear suitable gloves'. The European Commission also requires the following text on the label/package of hair products: 'Wear suitable gloves', depilatories, and hair rinseoff products: 'Keep out of reach of children'. Additionally, the following warning text is required on hair products: 'For professionaly use only.'	
CALCIUM THIOGLYCOLATE	CALCIUM THIOGLYCOLATE	814-71-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15.2% in hair straighteners, permanent waves, tonics, dressings, wave sets, other noncoloring hair products, and hair dyes and colors.	
CALCIUM TITANIUM BOROSILICATE	Calcium titanium borosilicate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
CALCIUM TITANIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CALCIUM TITANIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CALCIUM UNDECYLENATE	CALCIUM UNDECYLENATE	1322-14-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
CALCIUM/ SODIUM PVM/ MA COPOLYMER	CALCIUM/ SODIUM PVM/ MA COPOLYMER	62386-95 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CALEDULA OFFICINALIS EXTRACT	CALENDULA OFFICINALIS EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
CALENDULA OFFICINALIS (POT MARIGOLD)	CALENDULA OFFICINALIS EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
CALENDULA OFFICINALIS (POT MARIGOLD) FLOWER EXTRACT	CALENDULA OFFICINALIS EXTRACT	84776-23 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
CALENDULA OFFICINALIS (POT MARIGOLD) FLOWER OIL	CALENDULA OFFICINALIS (POT MARIGOLD) FLOWER OIL	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.1%.	
CALENDULA OFFICINALIS (POT MARIGOLD) FLOWER OIL	CALENDULA OFFICINALIS OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
CALENDULA OFFICINALIS (POT MARIGOLD) FLOWER WATER	CALENDULA OFFICINALIS EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
CALENDULA OFFICINALIS (POT MARIGOLD) ROOT EXTRACT	CALENDULA OFFICINALIS EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
CAMBRIAN BLUE CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
CAMELINA SATIVA (GOLD OF PLEASURE) SEED OIL	Camelina Sativa Seed Oil	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%	
CAMELLIA KISSI SEED OIL	CAMELLIA KISSI SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
CAMELLIA OLEIFERA SEED OIL	CAMELLIA OLEIFERA SEED OIL	225233-9 7-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
CAMELLIA SINENSIS (GREEN TEA) CATECHINS	CAMELLIA SINENSIS (GREEN TEA) CATECHINS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
CAMELLIA SINENSIS (GREEN TEA) EXTRACT	Tea leaf absolute	84650-60 -2	Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category (as outlined in the 49th amendment): Category 1 - 0.037%; Category 2 - 0.011%; Category 3 - 0.22%; Category 4 - 0.21%; Category 5a - 0.052%; Category 5b - 0.052%; Category 5c - 0.052%; Category 5d - 0.052%; Category 6 - 0.12%; Category 7a - 0.42%; Category 7b - 0.42%; Category 8 - 0.022%; Category 9 - 0.40%; Category 10a - 1.4%; Category 10b - 1.4%; Category 11a - 0.80%; Category 11a - 0.80%. There is no restriction for Category 12.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CAMELLIA SINENSIS (GREEN TEA) EXTRACT	Teal leaf absolute	84650-60 -2	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.02% in deodorants/antiperspirants, 0.07% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.3% in mouthwashes, breath sprays, and toothpastes, 0.04% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 2.4% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CAMELLIA SINENSIS (GREEN TEA) LEAF	CAMELLIA SINENSIS (GREEN TEA) LEAF	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.05% when formulated to be non-sensitizing.	
CAMELLIA SINENSIS (GREEN TEA) LEAF EXTRACT	Tea leaf absolute	0	Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category (as outlined in the 49th amendment): Category 1 - 0.037%; Category 2 - 0.011%; Category 3 - 0.22%; Category 4 - 0.21%; Category 5a - 0.052%; Category 5b - 0.052%; Category 5c - 0.052%; Category 5d - 0.052%; Category 6 - 0.12%; Category 7a - 0.42%; Category 7b - 0.42%; Category 8 - 0.022%; Category 9 - 0.40%; Category 10a - 1.4%; Category 10b - 1.4%; Category 11a - 0.80%; Category 11a - 0.80%. There is no restriction for Category 12.	
CAMELLIA SINENSIS (GREEN TEA) LEAF EXTRACT	Teal leaf absolute	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.02% in deodorants/antiperspirants, 0.07% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.3% in mouthwashes, breath sprays, and toothpastes, 0.04% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 2.4% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CAMELLIA SINENSIS (GREEN TEA) LEAF EXTRACT (WATER SOLUBLE)	CAMELLIA SINENSIS (GREEN TEA) LEAF EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at < 2% when formulated to be non-sensitizing.	
CAMELLIA SINENSIS (GREEN TEA) LEAF EXTRACT (WATER SOLUBLE)	CAMELLIA SINENSIS (GREEN TEA) LEAF EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <2% when formulated to be non-sensitizing.	
CAMELLIA SINENSIS (GREEN TEA) LEAF POWDER	CAMELLIA SINENSIS (GREEN TEA) LEAF POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 50% when formulated to be non-sensitizing.	
CAMELLIA SINENSIS (GREEN TEA) LEAF WATER	CAMELLIA SINENSIS (GREEN TEA) LEAF WATER	84650-60 -2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 30% when formulated to be non-sensitizing.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CAMELLIA SINENSIS (GREEN TEA) ROOT EXTRACT	Teal leaf absolute	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.02% in deodorants/antiperspirants, 0.07% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.3% in mouthwashes, breath sprays, and toothpastes, 0.04% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 2.4% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CAMELLIA SINENSIS (GREEN TEA) SEED EXTRACT	Teal leaf absolute	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.02% in deodorants/antiperspirants, 0.07% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.3% in mouthwashes, breath sprays, and toothpastes, 0.04% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 2.4% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CAMELLIA SINENSIS (GREEN TEA) SEED OIL	CAMELLIA SINENSIS SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
CAMELLIA SINENSIS (TEA-OIL/CAMELLIA) LEAF EXTRACT	Teal leaf absolute	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.02% in deodorants/antiperspirants, 0.07% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.3% in mouthwashes, breath sprays, and toothpastes, 0.04% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 2.4% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CAMELLIA SINENSIS CALLUS CULTURE EXTRACT	Teal leaf absolute	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.02% in deodorants/antiperspirants, 0.07% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.3% in mouthwashes, breath sprays, and toothpastes, 0.04% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CAMPHOR	CAMPHOR	21368-68 -3	Health Canada restricts this ingredient to a maximum concentration of 3%.	
CANADIAN COLLOIDAL CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
CANANGA ODORATA (YLANG YLANG)	Benzyl Salicylate, contact allergen for eczema products	0	This ingredient contains Benzyl Salicylate, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG)	CANANGA ODORATA (YLANG YLANG)	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
CANANGA ODORATA (YLANG YLANG)	CANANGA ODORATA (YLANG YLANG)	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANANGA ODORATA (YLANG YLANG)	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG) EXTRACT	Benzyl Salicylate, contact allergen for eczema products	0	This ingredient contains Benzyl Salicylate, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CANANGA ODORATA (YLANG YLANG) EXTRACT	CANANGA ODORATA (YLANG YLANG) EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
CANANGA ODORATA (YLANG YLANG) EXTRACT	CANANGA ODORATA (YLANG YLANG) EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANANGA ODORATA (YLANG YLANG) EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG) OIL	Benzyl Salicylate, contact allergen for eczema products	93686-30 -7	This ingredient contains Benzyl Salicylate, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG) OIL	CANANGA ODORATA (YLANG YLANG) OIL	93686-30 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
CANANGA ODORATA (YLANG YLANG) OIL	CANANGA ODORATA (YLANG YLANG) OIL	93686-30 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANANGA ODORATA (YLANG YLANG) OIL	Farnesol, contact allergen for eczema products	93686-30 -7	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA (YLANG YLANG) OIL	Geraniol, contact allergen for eczema products	93686-30 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CANANGA ODORATA (YLANG YLANG) OIL	Linalool, contact allergen for eczema products	93686-30 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
CANANGA ODORATA (YLANG YLANG) OIL	Ylang Ylang Extracts	93686-30 -7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.05% in lip products, 0.06% in deodorants/antiperspirants, 0.27% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.8% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.3% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.8% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, etc.).	
CANANGA ODORATA (YLANG YLANG) OIL	Ylang Ylang Extracts	93686-30 -7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.05% in lip products, 0.06% in deodorants/antiperspirants, 0.27% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.8% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.3% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.8% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilotories, facial cleansers, shampoos, conditioners, etc.).	
CANANGA ODORATA (YLANG YLANG) OIL	Ylang Ylang Extracts	93686-30 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.13% Category 2) 0.039% Category 3) 0.78% Category 4) 0.73% Category 5A) 0.18% Category 5B) 0.18% Category 5C) 0.18% Category 5D) 0.18% Category 6) 0.43% Category 7A) 1.5% Category 7B) 1.5% Category 8) 0.077% Category 9) 1.4% Category 10A) 5.1% Category 10B) 5.1% Category 11A) 2.8% Category 11B) 2.8% Category 12) No Restriction	
CANANGA ODORATA FLOWER EXTRACT(YLANG)	Benzyl Salicylate, contact allergen for eczema products	83863-30 -3	This ingredient contains Benzyl Salicylate, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA FLOWER EXTRACT(YLANG)	CANANGA ODORATA FLOWER EXTRACT(YLANG)	83863-30 -3	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CANANGA ODORATA FLOWER EXTRACT(YLANG)	CANANGA ODORATA FLOWER EXTRACT(YLANG)	83863-30 -3	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANANGA ODORATA FLOWER EXTRACT(YLANG)	Cananga odorata flower oil and extract; Ylang Ylang flower oil and extract	83863-30 -3	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CANANGA ODORATA FLOWER EXTRACT(YLANG)	Farnesol, contact allergen for eczema products	83863-30 -3	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA FLOWER EXTRACT(YLANG)	Geraniol, contact allergen for eczema products	83863-30 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA FLOWER EXTRACT(YLANG)	Linalool, contact allergen for eczema products	83863-30 -3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA FLOWER EXTRACT(YLANG)	Ylang Ylang Extracts	83863-30 -3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.05% in lip products, 0.06% in deodorants/antiperspirants, 0.27% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.8% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.3% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.8% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CANANGA ODORATA FLOWER EXTRACT(YLANG)	Ylang Ylang Extracts	83863-30 -3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.13% Category 2) 0.039% Category 3) 0.78% Category 4) 0.73% Category 5A) 0.18% Category 5B) 0.18% Category 5C) 0.18% Category 5D) 0.18% Category 6) 0.43% Category 7A) 1.5% Category 7B) 1.5% Category 8) 0.077% Category 9) 1.4% Category 10A) 5.1% Category 10B) 5.1% Category 11A) 2.8% Category 11B) 2.8% Category 12) No Restriction	
CANANGA ODORATA FLOWER WATER	CANANGA ODORATA FLOWER EXTRACT(YLANG)	83863-30 -3	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CANANGA ODORATA FLOWER WATER	CANANGA ODORATA FLOWER EXTRACT(YLANG)	83863-30 -3	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANANGA ODORATA FLOWER WATER	Ylang Ylang Extracts	83863-30 -3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.05% in lip products, 0.06% in deodorants/antiperspirants, 0.27% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.8% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.3% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.8% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CANANGA ODORATA FLOWER WATER	Ylang Ylang Extracts	83863-30 -3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.13% Category 2) 0.039% Category 3) 0.78% Category 4) 0.73% Category 5A) 0.18% Category 5B) 0.18% Category 5C) 0.18% Category 5D) 0.18% Category 6) 0.43% Category 7A) 1.5% Category 7B) 1.5% Category 8) 0.077% Category 9) 1.4% Category 10A) 5.1% Category 10B) 5.1% Category 11A) 2.8% Category 11B) 2.8% Category 12) No Restriction	
CANANGA ODORATA FLOWER WAX	Benzyl Salicylate, contact allergen for eczema products	0	This ingredient contains Benzyl Salicylate, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CANANGA ODORATA FLOWER WAX	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	Benzyl Salicylate, contact allergen for eczema products	93686-30 -7	This ingredient contains Benzyl Salicylate, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	CANANGA ODORATA (YLANG YLANG) OIL	93686-30 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	CANANGA ODORATA (YLANG YLANG) OIL	93686-30 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	93686-30 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	93686-30 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	Farnesol, contact allergen for eczema products	93686-30 -7	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	Geraniol, contact allergen for eczema products	93686-30 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ODORATA MACROPHYLLA FLOWER EXTRACT(CANANGA)	Linalool, contact allergen for eczema products	93686-30 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ORDORATA (YLANG-YLANG) FLOWER WATER	Benzyl Salicylate, contact allergen for eczema products	0	This ingredient contains Benzyl Salicylate, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ORDORATA (YLANG-YLANG) FLOWER WATER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ORDORATA (YLANG-YLANG) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CANANGA ORDORATA (YLANG-YLANG) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CANARIUM LUZONICUM (ELEMI) GUM	CANARIUM LUZONICUM (ELEMI) GUM	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
CANARIUM LUZONICUM (ELEMI) GUM	CANARIUM LUZONICUM (ELEMI) GUM	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANARIUM LUZONICUM (ELEMI) GUM NONVOLATILES	CANARIUM LUZONICUM (ELEMI) GUM NONVOLATILES	8023-89- 0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
CANARIUM LUZONICUM (ELEMI) GUM NONVOLATILES	CANARIUM LUZONICUM (ELEMI) GUM NONVOLATILES	8023-89- 0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANARIUM LUZONICUM (ELEMI) OIL	CANARIUM LUZONICUM (ELEMI) OIL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
CANARIUM LUZONICUM (ELEMI) OIL	CANARIUM LUZONICUM (ELEMI) OIL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CANDELILLA/JOJOBA/RICE BRAN POLYGLYCERYL 3 ESTERS	CANDELILLA/JOJOBA/RI CE BRAN POLYGLYCERYL 3 ESTERS	0	The Cosmetic Ingredient Review has determined this ingredient to be safe as used when formulated to be nonirritating up to a concentration of 2%.	
CANNABIDIOL	CANNABIDIOL	13956-29- 1	FDA restriction on THC concentrations of industrial hemp and derivatives cannot exceed 0.3%.	
CANNABIDIOL	CANNABIDIOL	13956-29- 1	This ingredient is prohibited from use in European cosmetic products if it is prepared as an extract or tincture or resin of Cannabis from the flowering or fruiting tops of the cannabis plant. This ingredient may be used in cosmetics when obtained from cannabis, cannabis resin, cannabis extracts and cannabis tinctures originating from the seeds and leaves that are not accompanied with the fruiting tops of the cannabis plant and if the level of THC does not exceed 0.2%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CANNABINOL	cannabinol	521-35-7	This ingredient is prohibited from use in products if it is prepared as an extract or tincture or resin of Cannabis from the flowering or fruiting tops of the cannabis plant. This ingredient may be used when obtained from cannabis, cannabis resin, cannabis extracts and cannabis tinctures originating from the seeds and leaves that are not accompanied with the fruiting tops of the cannabis plant and if the level of THC does not exceed 0.2% (based on EU regulations).	
CANNABINOL	cannabinol	521-35-7	EWG restricts the THC (delta9tetrahydrocannabinol) content of this ingredient to a maximum concentration of 10 microgram (a based on Canadian regulations	
CANNABIS SATIVA (HEMP)	CANNABIDIOL	0	FDA restriction on THC concentrations of industrial hemp and derivatives cannot exceed 0.3%.	
CANNABIS SATIVA (HEMP)	CANNABIDIOL	0	This ingredient is prohibited from use in European cosmetic products if it is prepared as an extract or tincture or resin of Cannabis from the flowering or fruiting tops of the cannabis plant. This ingredient may be used in cosmetics when obtained from cannabis, cannabis resin, cannabis extracts and cannabis tinctures originating from the seeds and leaves that are not accompanied with the fruiting tops of the cannabis plant and if the level of THC does not exceed 0.2%.	
CANNABIS SATIVA (HEMP) ACID	CANNABIDIOL		FDA restriction on THC concentrations of industrial hemp and derivatives cannot exceed 0.3%.	
CANNABIS SATIVA (HEMP) ACID	CANNABIDIOL	0	This ingredient is prohibited from use in European cosmetic products if it is prepared as an extract or tincture or resin of Cannabis from the flowering or fruiting tops of the cannabis plant. This ingredient may be used in cosmetics when obtained from cannabis, cannabis resin, cannabis extracts and cannabis tinctures originating from the seeds and leaves that are not accompanied with the fruiting tops of the cannabis plant and if the level of THC does not exceed 0.2%.	
CANNABIS SATIVA (HEMP) ACID	CANNABISSATIVASEEDOI L	0	Health Canada restricts the THC (delta9tetrahydrocannabinol) content of this ingredient to a maximum concentration of 10 microaram/a.	
CANNABIS SATIVA (HEMP) EXTRACT	CANNABIDIOL		FDA restriction on THC concentrations of industrial hemp and derivatives cannot exceed 0.3%.	
CANNABIS SATIVA (HEMP) EXTRACT	CANNABIDIOL	89958-21 -4	This ingredient is prohibited from use in European cosmetic products if it is prepared as an extract or tincture or resin of Cannabis from the flowering or fruiting tops of the cannabis plant. This ingredient may be used in cosmetics when obtained from cannabis, cannabis resin, cannabis extracts and cannabis tinctures originating from the seeds and leaves that are not accompanied with the fruiting tops of the cannabis plant and if the level of THC does not exceed 0.2%.	
CANNABIS SATIVA (HEMP) EXTRACT	CANNABISSATIVASEEDOI L	89958-21 -4	Health Canada restricts the THC (delta9tetrahydrocannabinol) content of this ingredient to a maximum concentration of 10 microgram/g.	
CANNABIS SATIVA (HEMP) SEED OIL	CANNABISSATIVASEEDOI L	89958-21 -4	Health Canada restricts the THC (delta9tetrahydrocannabinol) content of this ingredient to a maximum concentration of 10 microgram/g.	
CANNABIS SATIVA FLOWER/LEAF/STEM EXTRACT	CANNABIDIOL	89958-21 -4	FDA restriction on THC concentrations of industrial hemp and derivatives cannot exceed 0.3%.	
CANNABIS SATIVA FLOWER/LEAF/STEM EXTRACT	CANNABIDIOL	89958-21 -4	This ingredient is prohibited from use in European cosmetic products if it is prepared as an extract or tincture or resin of Cannabis from the flowering or fruiting tops of the cannabis plant. This ingredient may be used in cosmetics when obtained from cannabis, cannabis resin, cannabis extracts and cannabis tinctures originating from the seeds and leaves that are not accompanied with the fruiting tops of the cannabis plant and if the level of THC does not exceed 0.2%.	
CANOLA OIL UNSAPONIFIABLES	CANOLA OIL UNSAPONIFIABLES	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.001%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CANOLAMIDOPROPYL BETAINE	CANOLAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
CAPE ALOE	ALOE FEROX LEAF JUICE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
CAPE ALOE	ALOE INGREDIENTS	0	California Prop65 lists nondecolorized aloe as known to cause cancer. Companies must certify that the aloe has been decolorized.	
CAPE ALOE EKISU	ALOE FEROX LEAF JUICE EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
CAPRAMIDE DEA	CAPRAMIDE DEA	136-26-5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
CAPRAMIDE DEA	CAPRAMIDE DEA	136-26-5	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
CAPRIC ACID	CAPRIC ACID	334-48-5	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <4%	
CAPROIC ACID	CAPROIC ACID	142-62-1	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.011%	
CAPROOYL PHYTOSPHINGOSINE	CAPROOYL PHYTOSPHINGOSINE	0	The Cosmetic Ingredient Review panel concludes this substance is safe as used up to a concentration of 0.001%.	
CAPROYL SPHINGOSINE	CAPROYL SPHINGOSINE	100403-1 9-8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CAPRYL/ CAPRAMIDOPROPYL BETAINE	capryl/capramidopropyl betaine	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
CAPRYLIC ACID	CAPRYLIC ACID	124-07-2	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <4%	
CAPRYLIC/ CAPRIC/ LAURIC TRIGLYCERIDE	CAPRYLIC/ CAPRIC/ LAURIC TRIGLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CAPRYLIC/ CAPRIC/ STEARIC TRIGLYCERIDE	Caprylic/Capric/Stearic Triglyceride	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 18%	
CAPRYLIC/CAPRIC TRIGLYCERIDE PEG-4 ESTERS	Caprylic/capric Triglyceride Peg4 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CAPRYLIC/CAPRIC/COCO GLYCERIDES	CAPRYLIC/CAPRIC/COCO GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CAPRYLIC/CAPRIC/MYRISTI	Caprylic/Capric/Myristic/S	208126-5 3-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 15%	
CAPRYLOYL GLYCINE	Capryloyl Glycine	14246-53 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CAPRYLOYL SALICYLIC ACID	CAPRYLOYL SALICYLIC ACID	0	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
CAPRYLYL CAPRYLATE/CAPRATE	Insufficient data ingredient	0	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	x
CAPRYLYL DIMETHICONE ETHOXY GLUCOSIDE	CAPRYLYL DIMETHICONE ETHOXY GLUCOSIDE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CAPRYLYL GLYCOL	CAPRYLYL GLYCOL	1117-86-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
CAPRYLYL METHICONE	CAPRYLYL METHICONE	17955-88 -3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CAPRYLYL TRIMETHICONE	CAPRYLYL TRIMETHICONE	187593-6 9-7	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CAPSANTHIN/CAPSORUBIN	CAPSANTHIN/CAPSORUBI N	465-42-9	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E160c)	
CAPSICUM FRUTESCENS FRUIT	CAPSICUM FRUTESCENS FRUIT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CARAMEL	CARAMEL	0	The European Commission restricts the arsenic, lead, mercury, cadmium, and total heavy metal contents of this ingredient to maximum concentrations of 1 ppm, 2 ppm, 1 ppm, 1 ppm, and 25 ppm, respectively.	
CARAMEL	CARAMEL	0	Per the U.S. FDA., caramel shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 0.1 part per million.	
CARAMEL COLOR	CARAMEL COLOR	8028-89- 5	Per the U.S. FDA., caramel shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 0.1 part per million.	
CARAMEL COLOR	CARAMEL COLOR	8028-89- 5	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E150a-d)	
Caramel I	Caramel I	8028-89- 5	Per the U.S. FDA., caramel shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 0.1 part per million.	
Caramel III	Caramel III	8028-89- 5	Per the U.S. FDA., caramel shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 0.1 part per million.	
Caramel IV	Caramel IV	8028-89- 5	Per the U.S. FDA., caramel shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 0.1 part per million.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CARBOMER	Acrylates copolymer and related substances	9062-04- 8	These substances must not be polymerized in benzene, and, per, U.S. Pharmacopeia standards, the total residual monomers may not exceed 2500 ppm. Additionally, the total residual methylacrylic acid and its salts may not exceed 100 ppm based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers and concerns about the toxicity of methylacrylic acid and its salts.	X
CARBOMER	CARBOMER941	9062-04- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
CARBOMER 940	CARBOMER940	76050-42 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
CARBOXYMETHYL CELLULOSE ACETATE BUTYRATE	CARBOXYMETHYL CELLULOSE ACETATE BUTYRATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CARBOXYMETHYL DEXTRAN	CARBOXYMETHYL DEXTRAN	9044-05- 7	The Cosmetic Ingredient Review found this substance	
CARBOXYMETHYL HYDROXYETHYLCELLULOSE	CARBOXYMETHYL HYDROXYETHYLCELLULOS E	9004-30- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
CARICA PAPAYA (PAPAYA) FRUIT EXTRACT	CARICA PAPAYA (PAPAYA) FRUIT EXTRACT	84012-30 -6	The Cosmetic Ingredient Review found this substance	
CARICA PAPAYA (PAPAYA)	CARICA PAPAYA (PAPAYA)	0	The Cosmetic Ingredient Review found this substance	
CARICA PAPAYA (PAPAYA)	CARICA PAPAYA (PAPAYA)	0	The Cosmetic Ingredient Review found this substance	
CARICA PAPAYA SEED OIL	CARICA PAPAYA SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
CARNITINE	CARNITINE	541-15-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CAROTENE	βCarotene.	0	The European Commission restricts the arsenic, lead, mercury, cadmium, and total heavy metal contents of this ingredient to maximum concentrations of 3 ppm, 10 ppm, 1 ppm, 1 ppm, and 40 ppm, respectively.	
CARVACROL	CARVACROL	499-75-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
CARVONE	CARVONE	99-49-0	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CARVONE	CARVONE	99-49-0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.08% in lip products, 0.1% in deodorants/antiperspirants, 0.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.9% in mouthwashes, breath sprays, and toothpastes, 0.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CARVONE	CARVONE	99-49-0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.08% in lip products, 0.1% in deodorants/antiperspirants, 0.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.9% in mouthwashes, breath sprays, and toothpastes, 0.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CARVONE	CARVONE	99-49-0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.08% in lip products, 0.1% in deodorants/antiperspirants, 0.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.9% in mouthwashes, breath sprays, and toothpastes, 0.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CARVONE	CARVONE	99-49-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.20% Category 2) 0.060% Category 3) 0.020% Category 4) 0.59% Category 5A) 0.20% Category 5B) 0.039% Category 5C) 0.059% Category 5D) 0.013% Category 6) 0.66% Category 7A) 0.039% Category 7B) 0.039% Category 8) 0.013% Category 9) 0.18% Category 10A) 0.18% Category 10B) 0.43% Category 11A) 0.013% Category 11B) 0.013% Category 12) 17%	
CARVONE	CARVONE	99-49-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.20% Category 2) 0.060% Category 3) 0.020% Category 4) 0.59% Category 5A) 0.20% Category 5B) 0.039% Category 5C) 0.059% Category 5D) 0.013% Category 6) 0.66% Category 7A) 0.039% Category 7B) 0.039% Category 8) 0.013% Category 9) 0.18% Category 10A) 0.18% Category 10B) 0.43% Category 11A) 0.013% Category 11B) 0.013% Category 12) 17%	
CARVONE	CARVONE	99-49-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.20% Category 2) 0.060% Category 3) 0.020% Category 4) 0.59% Category 5A) 0.20% Category 5B) 0.039% Category 5C) 0.059% Category 5D) 0.013% Category 6) 0.66% Category 7A) 0.039% Category 7B) 0.039% Category 8) 0.013% Category 9) 0.18% Category 10A) 0.18% Category 10B) 0.43% Category 11A) 0.013% Category 11B) 0.013% Category 12) 17%	
CARVONE	Contact allergens for eczema products	99-49-0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
CARYOCAR BRASILIENSE FRUIT OIL	CARYOCAR BRASILIENSE FRUIT OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CASEIN	Casein	9000-71- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CASEIN	CASEIN	9000-71-	The Cosmetic Ingredient Review found this substance	
CASEIN EXTRACT	CASEIN EXTRACT	9 0	The Cosmetic Ingredient Review found this substance	
CASSIA	Coumarin contact alloraon	9017-11-	was safe as used at the reported concentrations of use.	v
	for eczema products	4	allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	^
CASSIA	Senna Plant	8013-11- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CASSIA ANGUSTIFOLIA (ALEXANDRIAN SENNA) SEED POLYSACCHARIDE	CASSIA ANGUSTIFOLIA (ALEXANDRIAN SENNA) SEED POLYSACCHARIDE	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.75%	
CASSIA HYDROXYPROPYLTRIMONIU M CHLORIDE	CASSIA HYDROXYPROPYLTRIMON IUM CHLORIDE	0	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4% in rinseoff products.	
CASTOR OIL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
CASTOR OIL BIS-HYDROXYPROPYL DIMETHICONE ESTERS	CASTOR OIL BIS-HYDROXYPROPYL DIMETHICONE ESTERS	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CASTOR OIL PHOSPHATE	CASTOR OIL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CEDARWOOD OIL	Juniperus virginiana oil	8000-27- 9	The presence of the substance or substances shall be indicated as 'Juniperus Virginiana Oil' in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CEDRENE	Cedrene	11028-42 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	
CEDRENE	Cedrene	11028-42 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	
CEDRENE	Cedrene	11028-42 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CEDRUS ATLANTICA (ATLAS CEDAR) OIL	Cedrus atlantica oil and extract	8023-85- 6	The presence of the substance or substances shall be indicated as 'Cedrus Atlantica Oil and Extract' in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products and 0.01% in rinse-off products. The peroxide value for each substance shall be less than 10 mmoles/L	
CEDRUS ATLANTICA (ATLAS CEDAR) OIL	CEDRUS ATLANTICA WOOD EXTRACT	8023-85- 6	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CEDRUS ATLANTICA (ATLAS CEDAR) OIL	CEDRUS ATLANTICA WOOD OIL	8023-85- 6	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CEDRUS ATLANTICA BARK WATER	CEDRUS ATLANTICA BARK WATER	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CEDRUS ATLANTICA WOOD EXTRACT	CEDRUS ATLANTICA BARK EXTRACT	92201-55 -3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CEDRUS ATLANTICA WOOD EXTRACT	CEDRUS ATLANTICA BARK WATER	92201-55 -3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CEDRUS ATLANTICA WOOD EXTRACT	CEDRUS ATLANTICA WOOD EXTRACT	92201-55 -3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CEDRUS ATLANTICA WOOD EXTRACT	CEDRUS ATLANTICA WOOD OIL	92201-55 -3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CEDRUS ATLANTICA WOOD OIL	CEDRUS ATLANTICA WOOD OIL		The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CELLOBIOSE OCTANONANOATE	CELLOBIOSE OCTANONANOATE	172585-6 6-9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CELLULASE	cellulase	9037-40- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CELLULASE	cellulase	9012-54- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CELLULOSE	Wipe substrates	9004-34- 6	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
CELLULOSE ACETATE	CELLULOSE ACETATE	9004-35- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
CELLULOSE ACETATE BUTYRATE	CELLULOSE ACETATE BUTYRATE	9004-36- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 17%.	
CELLULOSE ACETATE PROPIONATE CARBOXYLATE	CELLULOSE ACETATE PROPIONATE CARBOXYLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CELLULOSE GUM	Cellulose Gum	9004-32- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 20%.	
CENTELLA ASIATICA (GOTU KOLA)	Centella asiatica derived ingredients	0	This Cosmetics Ingredient Review Panel found that these substances were safe as used up to a concentration of 0.5% when formulated to be non-sensitizing.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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CENTELLA ASIATICA (GOTU KOLA) EXTRACT	Centella asiatica derived ingredients	84696-21 -9	This Cosmetics Ingredient Review Panel found that these substances were safe as used up to a concentration of 0.5% when formulated to be non-sensitizing.	
CENTELLA ASIATICA (GOTU KOLA) OIL	Centella asiatica derived ingredients	0	This Cosmetics Ingredient Review Panel found that these substances were safe as used up to a concentration of 0.5% when formulated to be non-sensitizing.	
CENTELLA ASIATICA FLOWER/LEAF/STEM EXTRACT	CENTELLA ASIATICA FLOWER/LEAF/STEM EXTRACT	84696-21 -9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.001% when formulated to be non-sensitizing.	
Centella Asiatica Leaf Cell Extract	Centella asiatica derived ingredients	84696-21 -9	This Cosmetics Ingredient Review Panel found that these substances were safe as used up to a concentration of 0.5% when formulated to be non-sensitizing.	
CENTELLA ASIATICA LEAF EXTRACT	Centella asiatica derived ingredients	0	This Cosmetics Ingredient Review Panel found that these substances were safe as used up to a concentration of 0.5% when formulated to be non-sensitizing.	
CENTELLA ASIATICA LEAF EXTRACT	CENTELLA ASIATICA LEAF EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
CENTELLA ASIATICA LEAF WATER	CENTELLA ASIATICA LEAF WATER	84696-21 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
CERAMIDE AP	CERAMIDE AP	100403-1 9-8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.	
CERAMIDE AS	CERAMIDE AS	100403-1 9-8	The Cosmetic Ingredient Review found this substance	
CERAMIDE AS	CERAMIDE AS	100403-1	The Cosmetic Ingredient Review found this substance	
CERAMIDE EOP	CERAMIDE EOP	100403-1	The Cosmetic Ingredient Review found this substance	
CERAMIDE NG	Ceramide NG	100403-1 9-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
CERAMIDE NG	CERAMIDE NG	100403-1 9-8	The Cosmetic Ingredient Review found this substance	
CERAMIDE NG	CERAMIDE NG	100403-1	The Cosmetic Ingredient Review found this substance	
CERAMIDE NP	CERAMIDE NP	100403-1	The Cosmetic Ingredient Review found this substance	
CERAMIDE NS	CERAMIDE NS	9-8 100403-1	The Cosmetic Ingredient Review found this substance	
CERATONIA SILIQUA (CAROB) GUM	CERATONIA SILIQUA GUM	9-8 9000-40- 2	<ul> <li>was safe as used up to a concentration of 0.006%.</li> <li>(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.07%.</li> </ul>	
CERESIN	CERESIN	8001-75- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 20%.	
CERESIN	CERESIN	8001-75-0	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 3% and PAH levels must be below 10 ppb. Mineral waxes must have an average molecular weight of at least 500 Daltons and a viscosity value greater than or equal to 11 centistokes at 100oC or greater than or equal to 8 centistokes at 120oC. Additionally, no more than 5% of hydrocarbons with a chain length less than C25 may be present.	
CERESIN	CLAYS AND MINERALS	8001-75- 0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CERIA/SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CERIA/SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CERIA/SILICA TALC	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CERIA/SILICA TALC	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CEROTYL DIMETHICONE	CEROTYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CEROTYL DIMETHICONE	CEROTYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETEARETH ALCOHOL	Ceteareth Alcohol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-10	CETEARETH10	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-10 PHOSPHATE	Ceteareth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-100	CETEARETH100	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-11	CETEARETH11	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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CETEARETH-13	CETEARETH13	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-14	CETEARETH14	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-15	CETEARETH15	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-16	CETEARETH16	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-16-18	Ceteareth1618	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-17	CETEARETH17	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-18	CETEARETH18	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-2	CETEARETH2	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-2 PHOSPHATE	Ceteareth2 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-20	CETEARETH20	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-21	Ceteareth21	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CETEARETH-22	CETEARETH22	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-23	CETEARETH23	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-24	CETEARETH24	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-25	CETEARETH25	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-25 CARBOXYLIC ACID	Ceteareth25 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-27	CETEARETH27	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-28	CETEARETH28	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-29	CETEARETH29	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-3	CETEARETH3	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-30	CETEARETH30	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-33	CETEARETH33	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CETEARETH-34	CETEARETH34	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-4	CETEARETH4	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-4 PHOSPHATE	Ceteareth4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-40	CETEARETH40	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-5	CETEARETH5	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-5 PHOSPHATE	Ceteareth5 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-50	CETEARETH50	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-55	CETEARETH55	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-6	CETEARETH6	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-6 OLIVATE	Ceteareth6 Olivate	226708-4 1-4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-60	CETEARETH60	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CETEARETH-60 MYRISTYL GLYCOL	Ceteareth60 Myristyl Glycol	96081-39 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-7	CETEARETH7	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-7 STEARATE	Ceteareth7 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-8	CETEARETH8	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-80	CETEARETH80	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARETH-9	CETEARETH9	68439-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARYL ALCOHOL	CETEARYL ALCOHOL	67762-27 -0	The Cosmetic Ingredient Review has determined that cetearyl alcohol (a component of emulsifying wax) is safe as used up to a concentration of 25%.	
CETEARYL ALCOHOL/ CETEARETH-20	Cetearyl Alcohol/ Ceteareth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETEARYL DIMETHICONE	CETEARYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETEARYL DIMETHICONE CROSSPOLYMER	CETEARYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETEARYL DIMETHICONE CROSSPOLYMER	CETEARYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CETEARYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	CETEARYL DIMETHICONE/VINYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CETEARYL ETHYLHEXANOATE	CETEARYL OCTANOATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
CETEARYL GLUCOSIDE	CETEARYL GLUCOSIDE	246159-3 3-1	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be nonirritating up to a maximum concentration of 3%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CETEARYL METHICONE	CETEARYL METHICONE	999999-9 3-8	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETEARYL NONANOATE	CETEARYL NONANOATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
CETETH-1	CETETH1	2136-71-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-10	CETETH10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-10 PHOSPHATE	Ceteth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-10 STEARATE	Ceteth10 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-12	CETETH12	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-13	CETETH-13	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CETETH-13	Ceteth13	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-14	CETETH14	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-15	CETETH15	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-150	CETETH-150	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CETETH-150	Ceteth150	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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CETETH-16	CETETH16	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-17	CETETH-17	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CETETH-17	Ceteth17	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-18	CETETH-18	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CETETH-18	Ceteth18	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-2	CETETH2	5274-61- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-20	CETETH20	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-20 PHOSPHATE	Ceteth20 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-23	CETETH-23	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CETETH-23	Ceteth23	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-24	CETETH24	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-25	CETETH25	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-3	CETETH3	4484-59- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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CETETH-3 STEARATE	Ceteth3 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-30	CETETH30	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-4	CETETH4	5274-63- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-4 STEARATE	Ceteth4 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-40	CETETH-40	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CETETH-40	Ceteth40	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-45	CETETH45	9004-95- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-5	CETETH5	4478-97- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-5 STEARATE	Ceteth5 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-56	Ceteth56	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-6	CETETH6	5168-91-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-7	CETETH-7	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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CETETH-7	Ceteth7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-7 STEARATE	Ceteth7 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-8	Ceteth8	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-8 PHOSPHATE	Ceteth8 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETH-9 STEARATE	Ceteth9 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETHYL MORPHOLINIUM ETHOSULFATE	CETETHYL MORPHOLINIUM ETHOSULFATE	78-21-7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETETHYLDIMONIUM BROMIDE	Cetethyldimonium Bromide	124-03-8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-10	CETOLETH10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-11	CETOLETH11	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-11	CETOLETH15	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-11	CETOLETH22	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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CETOLETH-11	CETOLETH24	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-11	CETOLETH25	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-11	CETOLETH6	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-15	CETOLETH15	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-18	CETOLETH18	68155-01 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-2	CETOLETH2	68155-01 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-20	CETOLETH20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-22	CETOLETH22	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-24	CETOLETH24	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-25	CETOLETH25	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-30	CETOLETH30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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CETOLETH-4	CETOLETH18	68155-01 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-4	CETOLETH2	68155-01 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-4	CETOLETH4	68155-01 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-4	CETOLETH5	68155-01 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-5	CETOLETH5	68155-01 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETOLETH-6	CETOLETH6	8065-81- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETRIMONIUM CARBOXYDECYL PEG-8 DIMETHICONE	CETRIMONIUM CARBOXYDECYL PEG-8 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETRIMONIUM CARBOXYDECYL PEG-8 DIMETHICONE	Cetrimonium Carboxydecyl Peg8 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETRIMONIUM DIMETHICONE PEG-7 PHTHALATE	Cetrimonium Dimethicone Peg7 Phthalate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETRIMONIUM LAURETH-12 SUCCINATE	Cetrimonium Laureth12 Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETYL ACETATE	CETYL ACETATE	629-70-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 17%.	
CETYL BEHENYL DIMETHICONE	CETYL BEHENYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

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CETYL BETAINE	Cetyl Betaine	693-33-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when formulated to be nonirritating up to 7.4%.	
CETYL DIGLYCERYL TRIS(TRIMETHYLSILOXY)SIL YLETHYL DIMETHICONE	CETYL DIGLYCERYL TRIS(TRIMETHYLSILOXY)S ILYLETHYL DIMETHICONE	1466529- 58-7	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL DIGLYCERYL TRIS(TRIMETHYLSILOXY)SIL YLETHYL DIMETHICONE	CETYL DIGLYCERYL TRIS(TRIMETHYLSILOXY)S ILYLETHYL DIMETHICONE	1466529- 58-7	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL DIMETHICONE	CETYL DIMETHICONE	191044-4 9-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
CETYL DIMETHICONE	CETYL DIMETHICONE	191044-4 9-2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL DIMETHICONE	CETYL DIMETHICONE	191044-4 9-2	According to the Cosmetic Ingredient Review (CIR) this ingredient is safe as used at concentrations < 11.8%. The CIR also states that cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL DIMETHICONE/BIS-VINYLD IMETHICONE CROSSPOLYMER	CETYL DIMETHICONE/BIS-VINYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL DIMETHICONE/BIS-VINYLD IMETHICONE CROSSPOLYMER	CETYL DIMETHICONE/BIS-VINYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CETYL DIMETHYLOCTANOATE	CETYL DIMETHYLOCTANOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CETYL ESTERS	CETYL ESTERS	8002-23- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
CETYL GLYCERYL ETHER	CETYL GLYCERYL ETHER	0	The Cosmetic Ingredient Review found this substance was safe as up to a concentration of 1%.	
CETYL HYDROXYETHYLCELLULOSE	CETYL HYDROXYETHYLCELLULOS E	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
CETYL LACTATE	CETYL LACTATE	35274-05 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
CETYL MYRISTATE	CETYL MYRISTATE	2599-01- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
CETYL OCTANOATE	CETYL OCTANOATE	29710-31- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CETYL PALMITATE	Cetyl palmitate	540-10-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 11%.	

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CETYL PEG/ PPG-10/ 1 DIMETHICONE	CETYL PEG/ PPG-10/ 1 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL PEG/ PPG-10/ 1 DIMETHICONE	CETYL PEG/ PPG-10/ 1 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CETYL PEG/ PPG-10/ 1 DIMETHICONE	Cetyl Peg/ Ppg10/ 1 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETYL PEG/PPG-15/15 BUTYL ETHER DIMETHICONE	CETYL PEG/PPG-15/15 BUTYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CETYL PEG/PPG-15/15 BUTYL ETHER DIMETHICONE	Cetyl Peg/ppg15/15 Butyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETYL PEG/PPG-7/3 DIMETHICONE	CETYL PEG/PPG-7/3 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CETYL PEG/PPG-7/3 DIMETHICONE	Cetyl Peg/ppg7/3 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETYL PG HYDROXYETHYL PALMITAMIDE	CETYL PG HYDROXYETHYL PALMITAMIDE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
CETYL PG HYDROXYETHYL PALMITAMIDE	N(3hexadecyloxy2hydroxyp rop1yl)N(2hydroxyethyl)pal mitamide	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
CETYL PHOSPHATE	CETYL PHOSPHATE	3539-43- 3	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2% and when formulated to be non-irritating.	
CETYL PPG-2 ISODECETH-7 CARBOXYLATE	Cetyl Ppg2 Isodeceth7 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETYL RICINOLEATE	CETYL RICINOLEATE	10401-55 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
CETYL RICINOLEATE BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
CETYL STEARATE	CETYL STEARATE	1190-63-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	

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CETYL TRIETHYLAMMONIUM DIMETHICONE COPOLYOL PHTHALATE	CETYL TRIETHYLAMMONIUM DIMETHICONE COPOLYOL PHTHALATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL TRIETHYLAMMONIUM DIMETHICONE PEG-8 PHTHALATE	Cetyl Triethylammonium Dimethicone Peg8 Phthalate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETYL TRIETHYLMONIUM DIMETHICONE COPOLYOL SUCCINATE	CETYL TRIETHYLMONIUM DIMETHICONE COPOLYOL SUCCINATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL TRIETHYLMONIUM DIMETHICONE PEG-8 PHTHALATE	CETYL TRIETHYLMONIUM DIMETHICONE PEG-8 PHTHALATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL TRIETHYLMONIUM DIMETHICONE PEG-8 PHTHALATE	Cetyl Triethylmonium Dimethicone Peg8 Phthalate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETYL TRIETHYLMONIUM DIMETHICONE PEG-8 SUCCINATE	CETYL TRIETHYLMONIUM DIMETHICONE PEG-8 SUCCINATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CETYL TRIETHYLMONIUM DIMETHICONE PEG-8 SUCCINATE	Cetyl Triethylmonium Dimethicone Peg8 Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CETYL-PG HYDROXYETHYL DECANAMIDE	CETYLPG HYDROXYETHYL DECANAMIDE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
CETYLAMINE HYDROFLUORIDE	CETYLAMINE HYDROFLUORIDE	3151-59-5	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains Cetylamine hydrofluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
CEYLON CINNAMON OIL	CEYLON CINNAMON OIL	8015-91- 6	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CEYLON CINNAMON OIL	Cinnamomum zeylanicum bark oil	8015-91- 6	The presence of Cinnamomum zeylanicum bark oil shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CEYLON CINNAMON OIL	Eugenol, contact allergen for eczema products	8015-91- 6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CEYLON CINNAMON OIL	Linalool, contact allergen for eczema products	8015-91- 6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CHAMOMILLA RECUTITA (CHAMOMILE) FLOWER POWDER	CHAMOMILLA RECUTITA FLOWER POWDER	84082-60 -0	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be nonsensitizing up to a maximum concentration of 1%.	
CHAMOMILLA RECUTITA (MATRICARIA) EXTRACT	Chamomilla recutita (matricaria) extract	84082-60 -0	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be nonsensitizing up to a maximum concentration of 0.61%.	
CHAMOMILLA RECUTITA (MATRICARIA) FLOWER	Chamomilla recutita (matricaria) flower	0	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be nonsensitizing up to a maximum concentration of 0.2%.	
CHAMOMILLA RECUTITA (MATRICARIA) FLOWER EXTRACT	CHAMOMILLA RECUTITA (MATRICARIA) FLOWER EXTRACT	84082-60 -0	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be nonsensitizing up to a maximum concentration of 0.8%.	
CHAMOMILLA RECUTITA (MATRICARIA) FLOWER OIL	Chamomilla recutita (matricaria) flower oil	8002-66- 2	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be nonsensitizing up to a maximum concentration of 0.29%.	
CHAMOMILLA RECUTITA (MATRICARIA) OIL	Chamomilla recutita (matricaria) oil	8002-66- 2	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be nonsensitizing up to a maximum concentration of 0.00005%.	
CHENOPODIUM QUINOA SEED OIL	CHENOPODIUM QUINOA SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%.	
Chicken	Chicken	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
CHIMYL ALCOHOL	CHIMYL ALCOHOL	506-03-6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CHLORELLA VULGARIS (DERMOCHLORELLA ALGAE)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CHLORELLA VULGARIS (DERMOCHLORELLA ALGAE) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CHLORHEXIDINE	Chlorhexidine	55-56-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.14%.	
CHLORHEXIDINE	Chlorhexidine	55-56-1	Health Canada restricts this ingredient to a maximum concentration of 0.14% (calculated as chlorhexidine free base), 0.19% (calculated as chlorhexidine diacetate), 0.20% (calculated as chlorhexidine digluconate), and 0.16% (calculated as chlorhexidine dihydrochloride).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CHLORHEXIDINE	Chlorhexidine	55-56-1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 1% in rinseoff products (not applied to mucosa).	
CHLORHEXIDINE	Chlorhexidine	55-56-1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5% in products meant to be applied to the mucosa.	
CHLORHEXIDINE	Chlorhexidine	55-56-1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5% in leaveon products (not applied to mucosa).	
CHLORHEXIDINE	Chlorhexidine	55-56-1	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
CHLORHEXIDINE	Chlorhexidine	55-56-1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHLORHEXIDINE DIACETATE	Chlorhexidine diacetate	56-95-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.19%.	
CHLORIMIDE	CHLORIMIDE	3400-09- 7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
CHLOROBUTANOL	Chlorobutanol	1320-66- 7	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.1%.	
CHLOROBUTANOL	Chlorobutanol	1320-66- 7	(*) The European Commission restricts this ingredient to a maximum concentration of 0.50%	
CHLORODECETH-14	Chlorodeceth14	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHOLECALCIFEROL PEG-12 ETHER	Cholecalciferol Peg12 Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHOLESTEROL	Cholesterol	57-88-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
CHOLESTEROL/HDI/PULLUL AN COPOLYMER	CHOLESTEROL/HDI/PULL ULAN COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CHOLETH-10	Choleth10	27321-96- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHOLETH-15	Choleth15	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHOLETH-20	Choleth20	27321-96- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHOLETH-24	Choleth10	27321-96- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CHOLETH-24	Choleth20	27321-96- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHOLETH-24	CHOLETH24	27321-96- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHOLETH-24	CHOLETH24	27321-96- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1.3%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane.	
CHOLETH-30	Choleth30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHOLETH-5	Choleth5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CHONDRUS CRISPUS (CARRAGEENAN)	CHONDRUS CRISPUS (CARRAGEENAN)	9000-07- 1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 15.7%.	
CHONDRUS CRISPUS (CARRAGEENAN) EXTRACT	CHONDRUS CRISPUS (CARRAGEENAN) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.5%.	
CHONDRUS CRISPUS (SEAWEED) EXTRACT.	Algae and related substances	244023-7 9-8	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CHONDRUS CRISPUS POWDER	Chondrus Crispus Powder	9000-07- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%	x
CHROMIC ACETATE	Chromium Compounds	1066-30- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMITE (MINERAL)	CLAYS AND MINERALS	1308-31-2	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
CHROMIUM (III), DIPHENYL-, IODIDE	Chromium Compounds	12089-29 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM ASPARTATE	Chromium Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM BORIDE, DUST	Chromium Compounds	12007-16 -8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM CHLORIDE, (OC-6-11)-	Chromium Compounds	14986-48 -2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM CHLORIDE, HEXAUREA	Chromium Compounds	14023-01 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM OXIDE	Chromium Compounds	12018-01 -8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CHROMIUM OXIDE GREENS	Chromium (III) oxide	1308-38- 9	Based on findings from the Community rolling action plan in the EU, this substance must contain less than 0.1% chromium (VI) and the final product cannot have more than 0.01% Chromium (VI). Lastly, this substance cannot be in nanomaterial form (>50% particles in the size range of 1nm-100nm).	
CHROMIUM OXIDE GREENS	Chromium Compounds	1308-38- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM OXIDE GREENS	CHROMIUM OXIDE GREENS	1308-38- 9	Per the U.S. FDA., chromium oxide greens shall not be used in lip products and shall conform to the following: shall be free from impurities other than those named to the extent that such impurities may be avoided by good manufacturing practice: Chromium in 2% NaOH extract, not more than 0.075% as Cr2O3 (based on sample weight). Arsenic (as As), not more than 3 parts per million. Lead (as Pb), not more than 20 parts per million. Mercury (as Hg), not more than 1 part per million. Cr2O3, not less than 95%. This substance is prohibited lip products per the FDA	
CHROMIUM OXIDE, AEROSOLS	Chromium Compounds	12018-40 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM PICOLINATE	Chromium Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM PICOLINATE	Cinnamomum cassia leaf Oil	0	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CHROMIUM POTASSIUM ZINC OXIDE	Chromium Compounds	37224-57 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM ZINC OXIDE	Chromium Compounds	12018-19- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, BIS(BENZOATO)DIOXO-, TRIHYDRATE	Chromium Compounds	63950-89 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, ION (CR 2+)	Chromium Compounds	22541-79 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, ION (CR 3+)	Chromium Compounds	16065-83 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, ION (CR 4+)	Chromium Compounds	15723-28- 1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, PENTACARBONYL(PIPERIDI NE)-, (OC-6-22)-	Chromium Compounds	15710-39- 1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, TETRACHLORO-MU-HYDROX Y(MU-(OCTADECANOATO-O: O'))DI-	Chromium Compounds	15242-96 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, TRICARBONYL((1,2,4,5,6-ETA )-1,3,5-CYCLOHEPTATRIENE)-	Chromium Compounds	12125-72- 3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, TRICARBONYL(CHLOROBEN ZENE)-	Chromium Compounds	12082-03 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, TRICARBONYL(P-DICHLORO BENZENE)-	Chromium Compounds	86409-62 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM, TRIS(2-PYRIDINECARBOXYL ATO-KAPPA-N(SUP 1),KAPPA-O(SUP 2))-, MONOHYDRATE	Chromium Compounds	27882-76 -4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CHROMIUM(1+), BIS(1,10-PHENANTHROLINE) DICHLORO-, CHLORIDE, DIHYDRATE, CIS-	Chromium Compounds	31282-15- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM(3+), TRIS(1-PHENYL-1,3-BUTANE DIONATO)-	Chromium Compounds	16432-36 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM(3+), TRIS(2,4-PENTANEDIONATO) -	Chromium Compounds	21679-31- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM(II) CHLORIDE (1:2)	Chromium Compounds	10049-05 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM(II), DIPHENYL-	Chromium Compounds	1271-54-1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM(III) CHLORIDE, HEXAHYDRATE (1:3:6)	Chromium Compounds	10060-12 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM(III) FLUORIDE	Chromium Compounds	7788-97- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM(III) SULFATE, HEXAHYDRATE (2:3:6)	Chromium Compounds	15005-90 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMIUM(III), BIS(2,2'-BIPYRIDYL)DICHLO RO- CIS-	Chromium Compounds	27803-22 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CHROMOCENE	Chromium Compounds	1271-24-5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CI 11680	2[(4Methyl2nitrophenyl)azo ]30x0Nphenylbutyramide	2512-29- 0	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
CI 11680	CI 11680	2512-29- 0	Per COSING, prohibited for use in products applied on mucous membranes.	
CI 11710	2[(4Chloro2nitrophenyl)azo ]N(2chlorophenyl)30xobuty ramide	6486-23- 3	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
CI 11710	CI 11710	6486-23- 3	Per COSING, prohibited for use in products applied on mucous membranes.	
CI 14720	Aluminum Compounds	3567-69- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CI 14720	CI 14720	3567-69- 9	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 122)	
CI 15850 (D&C Red No. 6 or 7)	CI 15850	5858-81- 1	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
CI 15850 (D&C Red No. 6 or 7)	CI 15850	5858-81- 1	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7)	CI 15850	5858-81- 1	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7)	CI 15850 (D&C Red No. 6 or 7)	5858-81- 1	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7)	CI 15850 (D&C Red No. 6 or 7)	5858-81- 1	in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7)	CI 15850 (D&C Red No. 6 or 7)	5858-81- 1	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 180)	
CI 15850 (D&C Red No. 6 or 7) Barium Lake	CI 15850	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CI 15850 (D&C Red No. 6 or 7) Barium Lake	CI 15850	0	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Barium Lake	CI 15850	0	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Barium Lake	CI 15850 (D&C Red No. 6 or 7) Barium Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Barium Lake	CI 15850 (D&C Red No. 6 or 7) Barium Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Barium Lake	Color additives subject to batch certification	0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 15850 (D&C Red No. 6 or 7) Calcium Lake	CI 15850	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
CI 15850 (D&C Red No. 6 or 7) Calcium Lake	CI 15850	0	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Calcium Lake	CI 15850	0	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Calcium Lake	CI 15850 (D&C Red No. 6 or 7) Calcium Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Calcium Lake	CI 15850 (D&C Red No. 6 or 7) Calcium Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Calcium Lake	Color additives subject to batch certification	0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 15850 (D&C Red No. 6 or 7) Lake	CI 15850	5281-04- 9	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
CI 15850 (D&C Red No. 6 or 7) Lake	CI 15850	5281-04- 9	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Lake	CI 15850	5281-04- 9	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Lake	CI 15850 (D&C Red No. 6 or 7) Lake	5281-04- 9	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Lake	CI 15850 (D&C Red No. 6 or 7) Lake	5281-04- 9	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Lake	Color additives subject to batch certification	5281-04- 9	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 15850 (D&C Red No. 6 or 7) Strontium Lake	CI 15850	5858-81- 1	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
CI 15850 (D&C Red No. 6 or 7) Strontium Lake	CI 15850	5858-81- 1	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Strontium Lake	CI 15850	5858-81- 1	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Strontium Lake	CI 15850 (D&C Red No. 6 or 7) Strontium Lake	5858-81- 1	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Strontium Lake	CI 15850 (D&C Red No. 6 or 7) Strontium Lake	5858-81- 1	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Strontium Lake	Color additives subject to batch certification	5858-81- 1	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 15850 (D&C Red No. 6 or 7) Zirconium Lake	CI 15850	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	

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CI 15850 (D&C Red No. 6 or 7) Zirconium Lake	CI 15850	0	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Zirconium Lake	CI 15850	0	This substance must contain <0.01% unsulfonated primary aromatic amines, <2 ppm lead and <1 ppm cadmium.	
CI 15850 (D&C Red No. 6 or 7) Zirconium Lake	CI 15850 (D&C Red No. 6 or 7) Zirconium Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Zirconium Lake	CI 15850 (D&C Red No. 6 or 7) Zirconium Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 15850 (D&C Red No. 6 or 7) Zirconium Lake	Color additives subject to batch certification	0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 16230	CI 16230	1936-15-8	Per COSING, prohibited for use in products applied on mucous membranes.	
CI 16230	Disodium 7hydroxy8(phenylazo)naph thalene1,3disulphonate	1936-15-8	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
CI 16255	ACID RED 18	2611-82-7	The European Commission restricts this ingredient to a maximum concentration of 0.5% in nonoxidative hair dye products.	
CI 16255	AKA102	2611-82-7	The European Commission restricts this ingredient to a maximum concentration of 0.5% in nonoxidative hair dye products.	
CI 16255	Aluminum Compounds	2611-82-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CI 16255	CI 16255	2611-82-7	The European Commission restricts this ingredient to a maximum concentration of 0.5% in nonoxidative hair dye products.	
CI 16255	CI 16255	2611-82-7	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 124)	
CI 16255	CI 16255	2611-82-7	Per European restrictions, prohibited for use in hair dye products.	
CI 16255	Cibachrome Brilliant Scarlet 3R	2611-82-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CI 18050	CI 18050	3734-67- 6	Per COSING, prohibited for use in products applied on mucous membranes. Purity criteria as set out in Commission Directive 95/45/EC (E 128).	
CI 18050	Disodium 5acetylamino4hydroxy3(ph enylazo)naphthalene2,7disu Iphonate	3734-67- 6	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
CI 20040	CI 20040	5979-28- 2	Per COSING, the maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm	
CI 27755	CI 27755	2118-39- 0	Per European restrictions, prohibited for use in hair dye products.	
CI 28440	CI 28440	2519-30- 4	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 151)	
CI 40825	CI 40825	1109-11-1	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 160f)	
CI 40850	CI 40850	514-78-3	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 161g)	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	CI 42090	3844-45- 9	This substance must contain less than: 100 ppm manganese, 2 ppm lead, 1 ppm mercury, 1 ppm cadmium, and 100 ppm unsulfonated primary aromatic amines.	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	CI 42090	3844-45- 9	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	3844-45- 9	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	3844-45- 9	Per COSING, the maximum concentration in ready to use preparation is 0.50%.	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	3844-45- 9	Per COSING, the maximum concentration in ready to use preparation is 0.50%	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	3844-45- 9	Per COSING, this ingredient shall conform to the purity criteria as sset out in Commission Directive 95/45/EC (E 133)	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4)	Color additives subject to batch certification	3844-45- 9	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4) Aluminum Lake	CI 42090	53026-57 -6	This substance must contain less than: 100 ppm manganese, 2 ppm lead, 1 ppm mercury, 1 ppm cadmium, and 100 ppm unsulfonated primary aromatic amines.	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4) Aluminum Lake	CI 42090	53026-57 -6	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4) Aluminum Lake	CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4) Aluminum Lake	53026-57 -6	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 42090 (FD&C Blue No. 1 or D&C Blue No. 4) Aluminum Lake	Color additives subject to batch certification	53026-57 -6	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 42735	CI 42735	6505-30- 2	Per COSING, prohibited for use in products applied on mucous membranes.	
CI 42735	Hydrogen [4[[4(diethylamino)phenyl][ 4[ethyl[(3sulphonatobenzyl )amino]otolyl]methylene]3 methylcyclohexa2,5dien1yli dene](ethyl)(3sulphonatobe nzyl)ammonium, sodium salt	6505-30- 2	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
CI 44090	CI 44090	3087-16- 9	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 142)	
CI 45350 (D&C Yellow No. 7 or 8)	CI 45350	2321-07- 5	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
CI 45350 (D&C Yellow No. 7 or 8)	CI 45350 (D&C Yellow No. 7 or 8)	2321-07- 5	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 45350 (D&C Yellow No. 7 or 8)	CI 45350 (D&C Yellow No. 7 or 8)	2321-07- 5	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 45350 (D&C Yellow No. 7 or 8)	CI 45350 (D&C Yellow No. 7 or 8)	2321-07- 5	Per COSING, the maximum concentration in RTU preparation is 6%	
CI 45350 (D&C Yellow No. 7 or 8)	Color additives subject to batch certification	2321-07- 5	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 45350 (D&C Yellow No. 7 or 8)	Disodium 2(3oxo6oxidoxanthen9yl)be nzoate	2321-07- 5	(*) The European Commission restricts this ingredient to a maximum concentration of 6%	
CI 45350 (D&C Yellow No. 7 or 8) Lake	CI 45350	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
CI 45350 (D&C Yellow No. 7 or 8) Lake	CI 45350 (D&C Yellow No. 7 or 8) Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 45350 (D&C Yellow No. 7 or 8) Lake	CI 45350 (D&C Yellow No. 7 or 8) Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 45350 (D&C Yellow No. 7 or 8) Lake	Color additives subject to batch certification	0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
CI 45396	3',6'Dihydroxy4',5'dinitrospi ro[isobenzofuran1(3H),9'[9 H]xanthene]3one	24545-86 -6	(*) The European Commission restricts this ingredient to a maximum concentration of 1% in lip products	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CI 45396	CI 45396	24545-86 -6	Per COSING, the maximum concentration in RTU preparation is 1% when used in lip products. Only in free acid form, when used in lip products	
CI 45405	CI 45405	6441-77- 6	Per COSING, prohobited for use in eye products. This ingredient must contain <1% 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoic acid and <2% 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl)benzoic acid.	
CI 45405	Dipotassium 3,6dichloro2(2,4,5,7tetrabro mo6oxido3oxoxanthen9yl)b enzoate	6441-77- 6	(*) The European Commission prohibits the use of this ingredient in eye products.	
CI 50420	CI 50420	8005-03- 6	Per COSING, prohibited for use in products applied on mucous membranes.	
CI 50420	CI 50420	8005-03- 6	Per European restrictions, prohibited for use in hair dye products.	
CI 61585	Secondary and Tertiary Aromatic Amines (Aniline)	4474-24- 2	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
CI 61585	Secondary and Tertiary Aromatic Amines (Nitrosamine)	4474-24- 2	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
CI 71105	Bisbenzimidazo[2,1b:2',1'i]b enzo[lmn][3,8]phenanthroli ne8,17dione	4424-06- 0	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
CI 71105	CI 71105	4424-06- 0	Per COSING, prohibited for use in products applied on mucous membranes.	
CI 73915	Secondary and Tertiary Aromatic Amines (Aniline)	980-26-7	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
CI 73915	Secondary and Tertiary Aromatic Amines (Nitrosamine)	980-26-7	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	х
CI 75120	Annatto	542-40-5	This ingredient must meet purity criteria as set out in European Commission Directive: Solvent residues Acetone, Methanol, or Hexane not more than 50 ppm singly or in combination; Dichloromethane not more than 10 ppm; Arsenic not more than 3 ppm, Lead	
CI 75120	CI 75120	542-40-5	Per the U.S. FDA., annatto extract, including pigments precipitated therefrom, shall conform to the following specifications: (1) Arsenic (as As), not more than 3 parts per million; lead as Pb, not more than 10 parts per million. (2) When solvents listed under paragraph (a)(1)(ii) of this section are used, annatto extract shall contain no more solvent residue than is permitted of the corresponding solvents in spice oleoresins under applicable food additive regulations in parts 170 through 189 of this chapter.	
CI 75125	CI 75125	502-65-8	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 160d)	
CI 75130	CI 75130	7235-40- 7	Per the U.S. FDA., $\beta$ -carotene shall conform to the following specifications: Physical state, solid. 1 percent solution in chloroform, clear. Loss of weight on drying, not more than 0.2 percent. Residue on ignition, not more than 0.2 percent. Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 3 parts per million. Assay (spectrophotometric), 96-101 percent.	
CI 75130	CI 75130	7235-40- 7	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 160a)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CI 75130	CI 75130	7235-40- 7	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 160a)	
CI 75130	CI 75130	7235-40- 7	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 160a)	
CI 75130	βCarotene.	7235-40- 7	The European Commission restricts the arsenic, lead, mercury, cadmium, and total heavy metal contents of this ingredient to maximum concentrations of 3 ppm, 10 ppm, 1 ppm, 1 ppm, and 40 ppm, respectively.	
CI 75300	CI 75300	458-37-7	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 100)	
CI 75470	Carmine	1390-65- 4	The European Commission restricts the arsenic, lead, mercury, cadmium, and total heavy metal contents of this ingredient to maximum concentrations of 3 ppm, 10 ppm, 1 ppm, 1 ppm, and 40 ppm, respectively.	
CI 75470	CI 75470	1390-65- 4	Per the U.S. FDA., carmine shall conform to the following specifications: Volatile matter (at 135 °C. for 3 hours), not more than 20.0 percent. Ash, not more than 12.0 percent. Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 1 part per million. Carminic acid, not less than 50.0 percent.	
CI 75470	CI 75470	1390-65- 4	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 120)	
CI 75810	CI 75810	11006-34 -1	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
CI 75810	CI 75810	11006-34 -1	Per the U.S. FDA., potassium sodium copper chlorophyllin shall conform to the following specifications and shall be free from impurities other than those named to the extent that such other impurities may be avoided by good manufacturing practice: Moisture, not more than 5.0 percent. Nitrogen, not more than 5.0 percent. pH of 1 percent solution, 9 to 11. Total copper, not less than 4 percent and not more than 6 percent. Free copper, not more than 0.25 percent. Iron, not more than 0.5 percent. Lead (as Pb)), not more than 20 parts per million. Arsenic (as As), not more than 5 parts per million. Ratio, absorbance at 405 mµ to absorbance at 630 mµ, not less than 3.4 and not more than 3.9. Total color, not less than 75 percent.	
CI 75810	CI 75810	11006-34 -1	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141)	
CI 75810	Potassium Sodium Copper Chlorophyllin (chlorophyllinCopper Complex).	11006-34 -1	The European Commission restricts the arsenic, lead, mercury, cadmium, and copper contents of this ingredient to maximum concentrations of 3 ppm, 10 ppm, 1 ppm, 1 ppm, and 200 ppm, respectively.	
CI 77000	Aluminum	7429-90- 5	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
CI 77000	Aluminum	7429-90- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CI 77000	Aluminum Compounds	7429-90- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CI 77000	Aluminum Powder	7429-90- 5	The European Commission restricts the arsenic, lead, mercury, cadmium, and total heavy metals contents of this ingredient to maximum concentrations of 3 ppm, 10 ppm, 1 ppm, 1 ppm, and 40 ppm, respectively.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CI 77000	CI 77000	7429-90- 5	Per the U.S. FDA., aluminum powder shall conform to the following specifications and shall be free from impurities other than those named to the extent that such impurities may be avoided by good manufacturing practice: Fineness, 100 percent shall pass through a 200-mesh screen and 95 percent shall pass through a 325-mesh screen. Mercury, not more than 1 part per million. Arsenic, not more than 3 parts per million. Lead, not more than 20 parts per million. Aluminum, not less than 99 percent.	
CI 77000	CI 77000	7429-90- 5	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 173)	
CI 77015	Aluminum Compounds	1309-37-1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CI 77015	CI 77015	1309-37-1	Per the U.S. FDA., iron oxides shall conform to the following specifications, all on an "as is" basis: Arsenic (as As), not more than 3 parts per million. Lead (as Pb), not more than 10 parts per million. Mercury (as Hg), not more than 3 parts per million.	
CI 77015	CI 77015	1309-37-1	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E172)	
CI 77015	CI 77015	1309-37-1	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E172)	
CI 77015	Silica, amorphous; silicate; borosilicate	1309-37-1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CI 77015	Silica, amorphous; silicate; borosilicate	1309-37-1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CI 77120	CI 77120	7727-43- 7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 37% when formulated to be non-irritating.	
CI 77400	CI 77400	7440-50- 8	Per the U.S. FDA., copper powder shall conform to the following specifications and shall be free from impurities other than those named to the extent that such impurities may be avoided by good manufacturing practice: Stearic or oleic acid, not more than 5 percent. Cadmium (as Cd), not more than 15 parts per million. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 1 part per million. Copper (as Cu), not less than 95 percent. Maximum particle size 45µ (95 percent minimum).	
CI 77499	CI 77499	1332-37-2	Per the U.S. FDA., iron oxides shall conform to the following specifications, all on an "as is" basis: Arsenic (as As), not more than 3 parts per million. Lead (as Pb), not more than 10 parts per million. Mercury (as Hg), not more than 3 parts per million.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CI 77499	CI 77499	1332-37-2	Per the Commission Directive 95/45/EC (E 172), this ingredient shall conform to the following specifications: Arsenic (5 ppm) Barium (50 ppm) Cadmium (50 ppm) Chromium (100 ppm) Copper (50 ppm) Lead (20 ppm) Mercury (1 ppm) Nickel (200 ppm) Zinc (100 ppm)	
CI 77499	Iron oxides	1332-37-2	The U.S. Food and Drug Administration and European Commission restricts the maximum concentration of the following heavy metals: lead (10 ppm), arsenic (3 ppm), mercury (1 ppm), cadmium (5 ppm), barium (50 ppm), zinc (100 ppm), chromium (100 ppm), copper (50 ppm), nickel (200 ppm)	
CI 77510	CI 77510		Per the U.S. FDA., ferric ammonium ferrocyanide shall conform to the following specifications and shall be free of impurities other than those named to the extent that the other impurities may be avoided by good manufacturing practice: Oxalic acid or its salts, not more than 0.1 percent. Water soluble matter, not more than 3 percent. Water soluble cyanide, not more than 10 parts per million. Volatile matter, not more than 4 percent. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million. Nickel (as Ni), not more than 200 parts per million. Cobalt (as Co), not more than 200 parts per million. Mercury (as Hg), not more than 1 part per million. Total iron (as Fe corrected for volatile matter), not less than 33 percent and not more than 39 percent.	
CICHORIUM INTYBUS (CHICORY)	Chicory	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
CICHORIUM INTYBUS (CHICORY)	Cichorium intybus	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
Cichorium Intybus (Chicory) Root Oligosaccharides	Cichorium Intybus (Chicory) Root Oligosaccharides	68650-43 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CICLOPIROX OLAMINE	CICLOPIROX OLAMINE	41621-49 -2	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
CINNAMAL	Cinnamal	104-55-2	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMAL	Cinnamic Aldehyde	104-55-2	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.02% in deodorants/antiperspirants, 0.05% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.05% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.05% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.4% in mouthwashes, breath sprays, and toothpastes, 0.04% in intimate wipes, and baby wipes, 0.05% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CINNAMAL	Cinnamic Aldehyde	104-55-2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.045% Category 2) 0.014% Category 3) 0.021% Category 4) 0.25% Category 5A) 0.064% Category 5B) 0.042% Category 5C) 0.064% Category 5D) 0.014% Category 6) 0.15% Category 7A) 0.17% Category 7B) 0.17% Category 8) 0.014% Category 9) 0.49% Category 10A) 0.49% Category 10B) 1.8% Category 11A) 0.014% Category 11B) 0.014% Category 12) No Restriction	
CINNAMAL	Contact allergens for eczema products	104-55-2	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	x
CINNAMALDEHYDE DIMETHYL ACETAL	Cinnamic aldehyde dimethyl acetal	4364-06- 1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.03% in deodorants/antiperspirants, 0.12% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.37% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.2% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.59% in mouthwashes, breath sprays, and toothpastes, 0.06% in intimate wipes, and baby wipes, 0.8% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CINNAMALDEHYDE DIMETHYL ACETAL	Cinnamic aldehyde dimethyl acetal	4364-06- 1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.063 % Category 2) 0.019 % Category 3) 0.38 % Category 4) 0.35 % Category 5A) 0.089 % Category 5B) 0.089 % Category 5C) 0.089 % Category 5D) 0.089 % Category 6) 0.21 % Category 7A) 0.72 % Category 7B) 0.72 % Category 8) 0.037 % Category 9) 0.69 % Category 10A) 2.5 % Category 10B) 2.5 % Category 11A) 1.4 % Category 11B) 1.4 % Category 12) No Restriction	
CINNAMOMUM AROMATICUM NEES (CASSIA) OIL	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM AROMATICUM NEES (CASSIA) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMOMUM AROMATICUM NEES (CASSIA) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) BARK	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) BARK	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) BARK	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) BARK	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) BARK	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) EXTRACT	CINNAMOMUM CAMPHORA (CAMPHOR) EXTRACT	0	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
CINNAMOMUM CAMPHORA (CAMPHOR) EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) LEAF EXTRACT	CINNAMOMUM CAMPHORA (CAMPHOR) LEAF EXTRACT	92201-50 -8	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
CINNAMOMUM CAMPHORA (CAMPHOR) LEAF EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	92201-50 -8	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMOMUM CAMPHORA (CAMPHOR) LEAF EXTRACT	Coumarin, contact allergen for eczema products	92201-50 -8	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) LEAF EXTRACT	Eugenol, contact allergen for eczema products	92201-50 -8	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) LEAF EXTRACT	Geraniol, contact allergen for eczema products	92201-50 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) LEAF EXTRACT	Linalool, contact allergen for eczema products	92201-50 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) OIL	CINNAMOMUM CAMPHORA (CAMPHOR) OIL	8008-51- 3	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
CINNAMOMUM CAMPHORA (CAMPHOR) OIL	CINNAMOMUM CAMPHORA (CAMPHOR) OIL	8008-51- 3	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
CINNAMOMUM CAMPHORA (CAMPHOR) OIL	Cinnamyl Alcohol, contact allergen for eczema products	8008-51- 3	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) OIL	Coumarin, contact allergen for eczema products	8008-51- 3	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) OIL	Eugenol, contact allergen for eczema products	8008-51- 3	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) OIL	Geraniol, contact allergen for eczema products	8008-51- 3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA (CAMPHOR) OIL	Linalool, contact allergen for eczema products	8008-51- 3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	

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CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	92704-03 -5	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	Coumarin, contact allergen for eczema products	92704-03 -5	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	Eugenol, contact allergen for eczema products	92704-03 -5	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	Geraniol, contact allergen for eczema products	92704-03 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	Linalool, contact allergen for eczema products	92704-03 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	CINNAMOMUM CAMPHORA FORMOSANA LEAF EXTRACT	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	

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CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	Cinnamyl Alcohol, contact allergen for eczema products	92704-03 -5	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	Coumarin, contact allergen for eczema products	92704-03 -5	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	Eugenol, contact allergen for eczema products	92704-03 -5	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	Geraniol, contact allergen for eczema products	92704-03 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA LEAF OIL RECTIFIED	Linalool, contact allergen for eczema products	92704-03 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	92704-03 -5	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	Coumarin, contact allergen for eczema products	92704-03 -5	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	Eugenol, contact allergen for eczema products	92704-03 -5	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	Geraniol, contact allergen for eczema products	92704-03 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA ROOT EXTRACT	Linalool, contact allergen for eczema products	92704-03 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	Cinnamyl Alcohol, contact allergen for eczema products	92704-03 -5	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	Coumarin, contact allergen for eczema products	92704-03 -5	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	Eugenol, contact allergen for eczema products	92704-03 -5	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	Geraniol, contact allergen for eczema products	92704-03 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA ROOT OIL	Linalool, contact allergen for eczema products	92704-03 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	92704-03 -5	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	Coumarin, contact allergen for eczema products	92704-03 -5	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	Eugenol, contact allergen for eczema products	92704-03 -5	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	Geraniol, contact allergen for eczema products	92704-03 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD EXTRACT	Linalool, contact allergen for eczema products	92704-03 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	92704-03 -5	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	

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CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	Cinnamyl Alcohol, contact allergen for eczema products	92704-03 -5	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	Coumarin, contact allergen for eczema products	92704-03 -5	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	Eugenol, contact allergen for eczema products	92704-03 -5	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	Geraniol, contact allergen for eczema products	92704-03 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA FORMOSANA WOOD OIL	Linalool, contact allergen for eczema products	92704-03 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA GUM EXTRACT	CINNAMOMUM CAMPHORA GUM EXTRACT	0	Products containing this substance must contain less than 0.01% safrole as indicated by the International Errogrance Association	
CINNAMOMUM CAMPHORA GUM EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA GUM EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA GUM EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA GUM EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA GUM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF OIL	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	

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CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF OIL	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	91745-89 -0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	Coumarin, contact allergen for eczema products	91745-89 -0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	Eugenol, contact allergen for eczema products	91745-89 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	Geraniol, contact allergen for eczema products	91745-89 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	Linalool, contact allergen for eczema products	91745-89 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF OIL	Cinnamyl Alcohol, contact allergen for eczema products	8022-91- 1	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF OIL	Coumarin, contact allergen for eczema products	8022-91- 1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF OIL	Eugenol, contact allergen for eczema products	8022-91- 1	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF OIL	Geraniol, contact allergen for eczema products	8022-91- 1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF OIL	Linalool, contact allergen for eczema products	8022-91- 1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF EXTRACT	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM LEAF OIL	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	91745-89 -0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	Coumarin, contact allergen for eczema products	91745-89 -0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	Eugenol, contact allergen for eczema products	91745-89 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	Geraniol, contact allergen for eczema products	91745-89 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT EXTRACT	Linalool, contact allergen for eczema products	91745-89 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	Cinnamyl Alcohol, contact allergen for eczema products	91745-89 -0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	Coumarin, contact allergen for eczema products	91745-89 -0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	Eugenol, contact allergen for eczema products	91745-89 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	Geraniol, contact allergen for eczema products	91745-89 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM ROOT OIL	Linalool, contact allergen for eczema products	91745-89 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	91745-89 -0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	Coumarin, contact allergen for eczema products	91745-89 -0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	Eugenol, contact allergen for eczema products	91745-89 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	Geraniol, contact allergen for eczema products	91745-89 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD EXTRACT	Linalool, contact allergen for eczema products	91745-89 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	91745-89 -0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	91745-89 -0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	Cinnamyl Alcohol, contact allergen for eczema products	91745-89 -0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	Coumarin, contact allergen for eczema products	91745-89 -0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	Eugenol, contact allergen for eczema products	91745-89 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	Geraniol, contact allergen for eczema products	91745-89 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD OIL	Linalool, contact allergen for eczema products	91745-89 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA	Coumarin, contact allergen for eczema products	84961-46 -6	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA	Eugenol, contact allergen for eczema products	84961-46 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA	Linalool, contact allergen for eczema products	84961-46 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA (CINNAMON) LEAF OIL	Amylcinnamaldehyde, contact allergen for eczema products	8007-80- 5	This ingredient contains Amylcinnamaldehyde, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA (CINNAMON) LEAF OIL	Coumarin, contact allergen for eczema products	8007-80- 5	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA (CINNAMON) LEAF OIL	Eugenol, contact allergen for eczema products	8007-80- 5	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA (CINNAMON) LEAF OIL	Linalool, contact allergen for eczema products	8007-80- 5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA (CINNAMON) OIL	Amylcinnamaldehyde, contact allergen for eczema products	0	This ingredient contains Amylcinnamaldehyde, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA (CINNAMON) OIL	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA (CINNAMON) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CASSIA (CINNAMON) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CASSIA BARK/SYZGIUM AROMATICUM BUD/ROSMARINUS OFFICINALIS LEAF/THYMUS VULGARIS LEAF OIL	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	

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CINNAMOMUM CASSIA BARK/SYZGIUM AROMATICUM BUD/ROSMARINUS OFFICINALIS LEAF/THYMUS VULGARIS LEAF OIL	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
CINNAMOMUM CULILAWAN LEAF EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	91771-48 -1	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN LEAF EXTRACT	Coumarin, contact allergen for eczema products	91771-48 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN LEAF EXTRACT	Eugenol, contact allergen for eczema products	91771-48 -1	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CULILAWAN LEAF EXTRACT	Linalool, contact allergen for eczema products	91771-48 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN LEAF OIL	Cinnamyl Alcohol, contact allergen for eczema products	91771-48 -1	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CULILAWAN LEAF OIL	Coumarin, contact allergen for eczema products	91771-48 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM CULILAWAN LEAF OIL	Eugenol, contact allergen for eczema products	91771-48 -1	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN LEAF OIL	Linalool, contact allergen for eczema products	91771-48 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN WOOD EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	91771-48 -1	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN WOOD EXTRACT	Coumarin, contact allergen for eczema products	91771-48 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN WOOD EXTRACT	Eugenol, contact allergen for eczema products	91771-48 -1	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN WOOD EXTRACT	Linalool, contact allergen for eczema products	91771-48 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMOMUM CULILAWAN WOOD OIL	Cinnamyl Alcohol, contact allergen for eczema products	91771-48 -1	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN WOOD OIL	Coumarin, contact allergen for eczema products	91771-48 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN WOOD OIL	Eugenol, contact allergen for eczema products	91771-48 -1	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM CULILAWAN WOOD OIL	Linalool, contact allergen for eczema products	91771-48 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM LOUREIRII	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM LOUREIRII	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM LOUREIRII	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM LOUREIRII	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM LOUREIRII BARK EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM LOUREIRII BARK EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM LOUREIRII BARK EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM LOUREIRII BARK EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM TAMALA OIL	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM TAMALA OIL	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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CINNAMOMUM TAMALA OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM TAMALA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANCIUM (CINNAMON) LEAF OIL	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANCIUM (CINNAMON) LEAF OIL	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANCIUM (CINNAMON) LEAF OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM ZEYLANCIUM (CINNAMON) LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM	Cinnamyl Alcohol, contact allergen for eczema products	84649-98 -9	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM	Coumarin, contact allergen for eczema products	84649-98 -9	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM ZEYLANICUM	Eugenol, contact allergen for eczema products	84649-98 -9	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM	Linalool, contact allergen for eczema products	84649-98 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	CEYLON CINNAMON OIL	8015-91- 6	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	8015-91- 6	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	8015-91- 6	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	8015-91- 6	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	Cinnamyl Alcohol, contact allergen for eczema products	8015-91- 6	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	Coumarin, contact allergen for eczema products	8015-91- 6	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	Eugenol, contact allergen for eczema products	8015-91- 6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CINNAMOMUM ZEYLANICUM (CINNAMON) LEAF OIL	Linalool, contact allergen for eczema products	8015-91- 6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK EXTRACT	Amylcinnamaldehyde, contact allergen for eczema products	84649-98 -9	This ingredient contains Amylcinnamaldehyde, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
CINNAMOMUM ZEYLANICUM BARK EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	84649-98 -9	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK EXTRACT	Coumarin, contact allergen for eczema products	84649-98 -9	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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CINNAMOMUM ZEYLANICUM BARK EXTRACT	Eugenol, contact allergen for eczema products	84649-98 -9	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK EXTRACT	Linalool, contact allergen for eczema products	84649-98 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK OIL	Cinnamyl Alcohol, contact allergen for eczema products	84649-98 -9	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK OIL	Coumarin, contact allergen for eczema products	84649-98 -9	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK OIL	Eugenol, contact allergen for eczema products	84649-98 -9	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK OIL	Linalool, contact allergen for eczema products	84649-98 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK POWDER	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK POWDER	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM BARK POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMOMUM ZEYLANICUM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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CINNAMON INFUSION	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMON INFUSION	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMON INFUSION	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMON LEAF	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMON LEAF	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMON LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMON SPICE	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMON SPICE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMON SPICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMONITRILE	Cinnamyl nitrile	4360-47- 8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.13% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.13% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.13% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 0.13% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMONITRILE	Cinnamyl nitrile	4360-47- 8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.13% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.13% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.13% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 0.13% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CINNAMONITRILE	Cinnamyl nitrile	4360-47- 8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077 % Category 2) 0.023 % Category 3) 0.46 % Category 4) 0.43 % Category 5A) 0.11 % Category 5B) 0.11 % Category 5C) 0.11 % Category 5D) 0.11 % Category 6) 0.25 % Category 7A) 0.88 % Category 7B) 0.88 % Category 8) 0.045 % Category 9) 0.84 % Category 10A) 3.0 % Category 10B) 3.0 % Category 11A) 1.7 % Category 11B) 1.7 % Category 12) No Restriction	
CINNAMONITRILE	Cinnamyl nitrile	4360-47- 8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077 % Category 2) 0.023 % Category 3) 0.46 % Category 4) 0.43 % Category 5A) 0.11 % Category 5B) 0.11 % Category 5C) 0.11 % Category 5D) 0.11 % Category 6) 0.25 % Category 7A) 0.88 % Category 7B) 0.88 % Category 8) 0.045 % Category 9) 0.84 % Category 10A) 3.0 % Category 10B) 3.0 % Category 11A) 1.7 % Category 11B) 1.7 % Category 12) No Restriction	
CINNAMONUM CASSIA (CINNAMON) BARK	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMONUM CASSIA (CINNAMON) BARK	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMONUM CASSIA (CINNAMON) BARK	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CINNAMYL ALCOHOL	Cinnamic alcohol	104-54-1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.09% in lip products, 0.1% in deodorants/antiperspirants, 0.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.4% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2.2% in mouthwashes, breath sprays, and toothpastes, 0.2% in intimate wipes, and baby wipes, 0.4% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CINNAMYL ALCOHOL	Cinnamic alcohol	104-54-1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.22 % Category 2) 0.067 % Category 3) 0.25 % Category 4) 1.2 % Category 5A) 0.32 % Category 5B) 0.25 % Category 5C) 0.25 % Category 5D) 0.085 % Category 6) 0.13 % Category 7A) 0.25 % Category 7B) 0.25 % Category 8) 0.085 % Category 9) 0.76 % Category 10A) 0.76 % Category 10B) 2.0 % Category 11A) 0.085 % Category 11B) 0.085 % Category 12) 51 %	
CINNAMYL ALCOHOL	Cinnamyl alcohol	104-54-1	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CINNAMYL ALCOHOL	Contact allergens for eczema products	104-54-1	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	Х
CINNAMYL BENZOATE	Benzoate	5320-75- 2	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
CINOXATE	Cinoxate	104-28-9	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 5% in products meant to be applied to the mucosa.	
CINOXATE	Cinoxate	104-28-9	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 5% in leaveon products (not applied to mucosa).	
cis-3-HEXENYL ACETATE	cis-3-HEXENYL ACETATE	3681-71-8	Based on IFRA standards, this ingredient is restricted based on IFRA categories. Category 1 - 0.077%; Category 2 - 0.023%; Category 3 - 0.46%; Category 4 - 0.11%; Category 5a - 0.11% ; Category 5b - 0.11% ; Category 5c - 0.11%; Category 5d - 0.037%; Category 6 - 0.25%; Category 7 - 0.88% ; Category 8 - 0.037%; Category 9 - 0.84%; Category 10a - 3.0%; Category 10b - 3.0%; Category 11 - 0.037%; Category 12 - no restriction	x
cis-3-HEXENYL BENZOATE	Benzoate	25152-85 -6	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum 1% in the finished product.	
cis-ROSE KETONE-2	CISROSE KETONE2	23726-92- 3	The European Commission restricts this ingredient to a maximum concentration of 0.02% in nonoral products.	
cis-ROSE KETONE-2	Rose ketones	23726-92-	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
cis-ROSE KETONE-2	Rose ketones	23726-92- 3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRAL	3,7-Dimethyl-2,6-octadienal ; (E)-3,7-dimethylocta-2,6-die nal; (Z)-3,7-dimethylocta-2,6-di enal	5392-40- 5	The European Commission requires that 'Citral' should be in the list of ingredients when the concentration of the substance or substances exceeds: 0.001% in leave-on products, 0.01% in rinse-off products.	•
CITRAL	citral	5392-40- 5	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CITRAL	citral	5392-40- 5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.05% in deodorants/antiperspirants, 0.2% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.6% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.3% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.4% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CITRAL	citral	5392-40- 5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.032 % Category 3) 0.10 % Category 4) 0.60 % Category 5A) 0.15 % Category 5B) 0.15 % Category 5C) 0.15 % Category 5D) 0.051 % Category 6) 0.35 % Category 7A) 0.20 % Category 7B) 0.20 % Category 8) 0.051 % Category 9) 1.2 % Category 10A) 1.2 % Category 10B) 4.2 % Category 11A) 0.051 % Category 11B) 0.051 % Category 12) No Restriction	
CITRAL	citral	5392-40- 5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.032 % Category 3) 0.10 % Category 4) 0.60 % Category 5A) 0.15 % Category 5B) 0.15 % Category 5C) 0.15 % Category 5D) 0.051 % Category 6) 0.35 % Category 7A) 0.20 % Category 7B) 0.20 % Category 8) 0.051 % Category 9) 1.2 % Category 10A) 1.2 % Category 10B) 4.2 % Category 11A) 0.051 % Category 11B) 0.051 % Category 12) No Restriction	
CITRAL	citral	5392-40- 5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.032 % Category 3) 0.10 % Category 4) 0.60 % Category 5A) 0.15 % Category 5B) 0.15 % Category 5C) 0.15 % Category 5D) 0.051 % Category 6) 0.35 % Category 7A) 0.20 % Category 7B) 0.20 % Category 8) 0.051 % Category 9) 1.2 % Category 10A) 1.2 % Category 10B) 4.2 % Category 11A) 0.051 % Category 11B) 0.051 % Category 12) No Restriction	
CITRAL	Contact allergens for eczema products	5392-40- 5	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	x

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRIC ACID	CITRICACID	77-92-9	Health Canada restricts this ingredient to a maximum concentration of 10% and a minimum pH of 3.5 of final formulation. Additionally, preparations containing concentrations of AHAs between 10% and 30% or a final pH between 3.0 to 3.5 may be permitted for professional use if the manufacturer provides Health Canada with evidence of their safety including pH levels, AHA concentrations, directions for use, and clinical studies demonstrating minimal skin irritation. Preparations intended to be diluted in bath water may contain levels of citric acid exceeding 10%. Required Warning: Health Canada requires the following on the product label/package in all skin products containing AHAs at concentrations equal to or greater than 3%: 'Use only as directed'; 'Avoid contact with the eyes'; 'If irritation persists, discontinue use and consult a physician'; 'It is recommended that prior to exposure to the sun, users cover areas where AHAs have been applied with sunscreen'; 'Contact of the product with the skin must be of limited frequency or duration.'	
CITRINE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CITRINE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CITRINE CRYSTAL INFUSION	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CITRINE CRYSTAL INFUSION	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CITRINE EXTRACT	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CITRINE EXTRACT	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CITRONELLA	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRONELLAL	CITRONELLAL	106-23-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.41 % Category 2) 0.16 % Category 3) 0.026 % Category 4) 0.49 % Category 5A) 0.33 % Category 5B) 0.051 % Category 5C) 0.10 % Category 5D) 0.017 % Category 6) 0.82 % Category 7A) 0.077 % Category 7B) 0.077 % Category 8) 0.017 % Category 9) 1.4 % Category 10A) 1.4 % Category 10B) 2.3 % Category 11A) 0.017 % Category 11B) 0.017 % Category 12) No Restriction	
CITRONELLAL	CITRONELLAL	106-23-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.41 % Category 2) 0.16 % Category 3) 0.026 % Category 4) 0.49 % Category 5A) 0.33 % Category 5B) 0.051 % Category 5C) 0.10 % Category 5D) 0.017 % Category 6) 0.82 % Category 7A) 0.077 % Category 7B) 0.077 % Category 8) 0.017 % Category 9) 1.4 % Category 10A) 1.4 % Category 10B) 2.3 % Category 11A) 0.017 % Category 11B) 0.017 % Category 12) No Restriction	
CITRONELLOL	Citronellol	106-22-9	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
CITRONELLOL	Citronellol	106-22-9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.8% in lip products, 1.1% in deodorants/antiperspirants, 4.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 13.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 21.4% in mouthwashes, breath sprays, and toothpastes, 2.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CITRONELLOL	Citronellol	106-22-9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.8% in lip products, 1.1% in deodorants/antiperspirants, 4.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 13.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 21.4% in mouthwashes, breath sprays, and toothpastes, 2.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRONELLOL	Citronellol	106-22-9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.8% in lip products, 1.1% in deodorants/antiperspirants, 4.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 13.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 21.4% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CITRONELLOL	Citronellol	106-22-9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.8% in lip products, 1.1% in deodorants/antiperspirants, 4.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 13.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 21.4% in mouthwashes, breath sprays, and toothpastes, 2.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CITRONELLOL	Citronellol	106-22-9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.8% in lip products, 1.1% in deodorants/antiperspirants, 4.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 13.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 21.4% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CITRONELLOL	Citronellol	106-22-9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.2% Category 2) 0.67% Category 3) 13% Category 4) 12% Category 5A) 3.2% Category 5B) 3.2% Category 5C) 3.2% Category 5D) 3.2% Category 6) 7.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 9) 24% Category 10A) 87% Category 10B) 87% Category 11A) 48% Category 11B) 48% Category 12) No Restriction	
CITRONELLOL	Citronellol	106-22-9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.2% Category 2) 0.67% Category 3) 13% Category 4) 12% Category 5A) 3.2% Category 5B) 3.2% Category 5C) 3.2% Category 5D) 3.2% Category 6) 7.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 9) 24% Category 10A) 87% Category 10B) 87% Category 11A) 48% Category 11B) 48% Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRONELLOL	Citronellol	106-22-9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.2% Category 2) 0.67% Category 3) 13% Category 4) 12% Category 5A) 3.2% Category 5B) 3.2% Category 5C) 3.2% Category 5D) 3.2% Category 6) 7.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 9) 24% Category 10A) 87% Category 10B) 87% Category 11A) 48% Category 11B) 48% Category 12) No Restriction	
CITRONELLOL	Citronellol	106-22-9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.2% Category 2) 0.67% Category 3) 13% Category 4) 12% Category 5A) 3.2% Category 5B) 3.2% Category 5C) 3.2% Category 5D) 3.2% Category 6) 7.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 9) 24% Category 10A) 87% Category 10B) 87% Category 11A) 48% Category 11B) 48% Category 12) No Restriction	
CITRONELLOL	Citronellol	106-22-9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.2% Category 2) 0.67% Category 3) 13% Category 4) 12% Category 5A) 3.2% Category 5B) 3.2% Category 5C) 3.2% Category 5D) 3.2% Category 6) 7.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 9) 24% Category 10A) 87% Category 10B) 87% Category 11A) 48% Category 11B) 48% Category 12) No Restriction	
CITRONELLOL	Citronellol	106-22-9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.2% Category 2) 0.67% Category 3) 13% Category 4) 12% Category 5A) 3.2% Category 5B) 3.2% Category 5C) 3.2% Category 5D) 3.2% Category 6) 7.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 9) 24% Category 10A) 87% Category 10B) 87% Category 11A) 48% Category 11B) 48% Category 12) No Restriction	
CITRONELLOL	Citronellol	106-22-9	The presence of the substance or substances shall be indicated in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products, 0.01% in rinse-off products.	
CITRONELLOL	Contact allergens for eczema products	106-22-9	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
CITRULLUS LANATUS SEED OIL	CITRULLUS LANATUS (WATERMELON) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
CITRUS AMARA (NEROLI) FLOWER OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AMARA (NEROLI) FLOWER OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AMARA (NEROLI) FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AMARA (NEROLI) FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS ARANTIUM DULCIS FLOWER OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS ARANTIUM DULCIS FLOWER OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANIUM DULCIS (ORANGE) PEEL OIL	Citrus oils and other furocoumarins containing essential oils		Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIFOLIA (LIME) FLOWER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) FLOWER EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) FRUIT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) FRUIT	CITRUS AURANTIFOLIA	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT	CITRUS AURANTIFOLIA (LIME) FRUIT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIFOLIA (LIME) FRUIT	CITRUS AURANTIFOLIA (LIME) FRUIT	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) FRUIT	CITRUS AURANTIFOLIA (LIME) FRUIT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS AURANTIFOLIA (LIME) FRUIT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	Citral, contact allergen for eczema products	90063-52 -8	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA (LIME) EXTRACT	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA (LIME) FRUIT	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	Citrus Aurantifolia (lime) Fruit Extract	90063-52 -8	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	90063-52 -8	The Cosmetic Ingredient Review found this substance was safe as used used up to a concentration of 0.2% when formulated to be non-irritating.	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA (LIME) JUICE	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA (LIME) PEEL	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA LEAF OIL	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	CITRUS AURANTIFOLIA PEEL POWDER	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIFOLIA (LIME) FRUIT EXTRACT	Lime oil expressed	90063-52 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.70% Category 2) 0.70% Category 3) 0.70% Category 4) 0.70% Category 5A) 0.70% Category 5B) 0.70% Category 5C) 0.70% Category 5D) 0.70% Category 6) 0.70% Category 7A) no restriction Category 7B) 0.70% Category 8) 0.70% Category 9) no restriction Category 10A) no restriction Category 10B) 0.70% Category 11A) no restriction Category 11B) 0.70% Category 12) no restriction	
CITRUS AURANTIFOLIA (LIME) FRUIT OIL	CITRUS AURANTIFOLIA (LIME) OIL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) FRUIT OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIFOLIA (LIME) FRUIT OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) FRUIT OIL	Lime oil expressed	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.7% in leaveon products	
CITRUS AURANTIFOLIA (LIME) JUICE	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) JUICE	CITRUS AURANTIFOLIA (LIME) EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) JUICE	CITRUS AURANTIFOLIA (LIME) JUICE	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) JUICE	CITRUS AURANTIFOLIA (LIME) JUICE	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) JUICE	CITRUS AURANTIFOLIA (LIME) JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS AURANTIFOLIA (LIME) JUICE	CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIFOLIA (LIME) LEAF OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) LEAF OIL	CITRUS AURANTIFOLIA LEAF OIL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) LEAF OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIFOLIA (LIME) LEAF OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) OIL	Citral, contact allergen for eczema products		This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) OIL	CITRUS AURANTIFOLIA (LIME) OIL		The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) OIL	CITRUS AURANTIFOLIA (LIME) OIL		The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.36%	
CITRUS AURANTIFOLIA (LIME) OIL	Citrus oils and other furocoumarins containing essential oils Citrus oils and other		Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction The International Fragrance Association restricts the	
(LIME) OIL	furocoumarins containing essential oils (Bergapten)		total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) OIL	Lime oil expressed		The International Fragrance Association restricts this ingredient to a maximum concentration of 0.7% in leaveon products	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIFOLIA (LIME) OIL	Lime oil expressed		restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.70% Category 2) 0.70% Category 3) 0.70% Category 4) 0.70% Category 5A) 0.70% Category 5B) 0.70% Category 5C) 0.70% Category 5D) 0.70% Category 6) 0.70% Category 7A) no restriction Category 7B) 0.70% Category 8) 0.70% Category 9) no restriction Category 10A) no restriction Category 10B) 0.70% Category 11A) no restriction Category 11B) 0.70% Category 12) no restriction	
CITRUS AURANTIFOLIA (LIME) OIL	Lime oil expressed		restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.70% Category 2) 0.70% Category 3) 0.70% Category 4) 0.70% Category 5A) 0.70% Category 5B) 0.70% Category 5C) 0.70% Category 5D) 0.70% Category 6) 0.70% Category 7A) no restriction Category 7B) 0.70% Category 8) 0.70% Category 9) no restriction Category 10A) no restriction Category 10B) 0.70% Category 11A) no restriction Category 11B) 0.70% Category 12) no restriction	
CITRUS AURANTIFOLIA (LIME) PEEL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) PEEL	CITRUS AURANTIFOLIA (LIME) PEEL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) PEEL	CITRUS AURANTIFOLIA (LIME) PEEL	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT	Citral, contact allergen for eczema products	90063-52 -8	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT	CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT	90063-52 -8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT	CITRUS AURANTIFOLIA (LIME) PEEL EXTRACT	90063-52 -8	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) PEEL OIL	CITRUS AURANTIFOLIA (LIME) OIL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIFOLIA (LIME) PEEL OIL	CITRUS AURANTIFOLIA (LIME) PEEL OIL	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.5% when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIFOLIA (LIME) PEEL OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIFOLIA (LIME) PEEL OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIFOLIA (LIME) PEEL OIL	Lime oil expressed	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.7% in leaveon products	
CITRUS AURANTIFOLIA (LIME) PEEL WATER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA PEEL POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIFOLIA PEEL POWDER	CITRUS AURANTIFOLIA PEEL POWDER	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS AURANTIUM AMARA	Bitter Orange Peel Oil Expressed	68916-04 -1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 1.25 % Category 2) 1.25 % Category 3) 1.25 % Category 4) 1.25 % Category 5A) 1.25 % Category 5B) 1.25 % Category 5C) 1.25 % Category 5D) 1.25 % Category 6) 1.25 % Category 7A) no restriction Category 7B) 1.25 % Category 8) 1.25 % Category 9) no restriction Category 10A) no restriction Category 10B) 1.25 % Category 11A) no restriction Category 11B) 1.25 % Category 12) no restriction	
CITRUS AURANTIUM AMARA	Citral, contact allergen for eczema products	68916-04 -1	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA	Farnesol, contact allergen for eczema products	68916-04 -1	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA	Geraniol, contact allergen for eczema products	68916-04 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA	Linalool, contact allergen for eczema products	68916-04 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM AMARA (BITTER ORANGE)	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE)	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM AMARA (BITTER ORANGE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER OIL	Citral, contact allergen for eczema products	68916-04 -1	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER OIL	Citrus aurantium amara and dulcis peel oil	68916-04 -1	The presence of the substance or substances shall be indicated as 'Citrus Aurantium Amara and Dulcis Peel Oil' in the list of ingredients when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER OIL	Citrus oils and other furocoumarins containing essential oils	68916-04 -1	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	68916-04 -1	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER OIL	Farnesol, contact allergen for eczema products	68916-04 -1	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER OIL	Geraniol, contact allergen for eczema products	68916-04 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER OIL	Linalool, contact allergen for eczema products	68916-04 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WATER	Bitter Orange Peel Oil Expressed	68916-04 -1	The International Fragrance Association restricts this ingredient to a maximum concentration of 1.25% in leaveon products	
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WATER	Citral, contact allergen for eczema products	68916-04 -1	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WATER	Farnesol, contact allergen for eczema products	68916-04 -1	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WATER	Geraniol, contact allergen for eczema products	68916-04 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WATER	Linalool, contact allergen for eczema products	68916-04 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WAX	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WAX	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FRUIT EXTRACT	Bitter Orange Peel Oil Expressed	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 1.25% in leaveon products	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM AMARA (BITTER ORANGE) FRUIT EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FRUIT EXTRACT	Citrus Aurantium Amara (Bitter Orange) Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) FRUIT EXTRACT	CITRUS AURANTIUM AMARA (BITTER ORANGE) FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.002% and when formulated to be non-irritating.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) FRUIT EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FRUIT EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) LEAF/TWIG EXTRACT	Bitter Orange Peel Oil Expressed	68916-04 -1	The International Fragrance Association restricts this ingredient to a maximum concentration of 1.25% in leaveon products	
CITRUS AURANTIUM AMARA (BITTER ORANGE) LEAF/TWIG OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) LEAF/TWIG OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIUM AMARA (BITTER ORANGE) LEAF/TWIG OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) LEAF/TWIG OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) LEAF/TWIG OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM AMARA (BITTER ORANGE) LEAF/TWIG OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL	Bitter Orange Peel Oil Expressed	68916-04 -1	The International Fragrance Association restricts this ingredient to a maximum concentration of 1.25% in leaveon products	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL	Citral, contact allergen for eczema products	68916-04 -1	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL	Citrus Aurantium Amara (Bitter Orange) Peel	68916-04 -1	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL	Farnesol, contact allergen for eczema products	68916-04 -1	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL	Geraniol, contact allergen for eczema products	68916-04 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL	Linalool, contact allergen for eczema products	68916-04 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL EXTRACT	Bitter Orange Peel Oil Expressed	72968-50 -4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 1.25 % Category 2) 1.25 % Category 3) 1.25 % Category 4) 1.25 % Category 5A) 1.25 % Category 5B) 1.25 % Category 5C) 1.25 % Category 5D) 1.25 % Category 6) 1.25 % Category 7A) no restriction Category 7B) 1.25 % Category 8) 1.25 % Category 9) no restriction Category 10A) no restriction Category 10B) 1.25 % Category 11A) no restriction Category 11B) 1.25 % Category 12) no restriction	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL EXTRACT	Citral, contact allergen for eczema products	72968-50 -4	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL EXTRACT	Citrus Aurantium Amara (Bitter Orange) Peel Extract	72968-50 -4	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL EXTRACT	Farnesol, contact allergen for eczema products	72968-50 -4	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL EXTRACT	Geraniol, contact allergen for eczema products	72968-50 -4	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL EXTRACT	Linalool, contact allergen for eczema products	72968-50 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL OIL	Citral, contact allergen for eczema products	68916-04 -1	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL OIL	CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL OIL	68916-04 -1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2% when formulated to be non-irritating.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL OIL	Citrus oils and other furocoumarins containing essential oils	68916-04 -1	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	68916-04 -1	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL OIL	Farnesol, contact allergen for eczema products	68916-04 -1	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL OIL	Geraniol, contact allergen for eczema products	68916-04 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL OIL	Linalool, contact allergen for eczema products	68916-04 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL POWDER	Bitter Orange Peel Oil Expressed	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 1.25% in leaveon products	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL POWDER	Citrus Aurantium Amara (Bitter Orange) Peel Powder	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL POWDER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL WATER	Bitter Orange Peel Oil Expressed	72968-50 -4	The International Fragrance Association restricts this ingredient to a maximum concentration of 1.25% in leaveon products	
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL WAX	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL WAX	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PEEL WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PLANT PHYTO	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PLANT PHYTO	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PLANT PHYTO	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM AMARA (BITTER ORANGE) PLANT PHYTO	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus Aurantium Amara Peel Oil	Citrus oils and other furocoumarins containing essential oils		Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
BERGAMIA (BERGAMOT)	citral, contact allergen for eczema products	U	allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM BERGAMIA (BERGAMOT)	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT EXTRACT	Bergamot oil expressed	89957-91 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.40 % Category 2) 0.40 % Category 3) 0.40 % Category 4) 0.40 % Category 5A) 0.40 % Category 5B) 0.40 % Category 5C) 0.40 % Category 5D) 0.40 % Category 6) 0.40 % Category 7A) no restriction Category 7B) 0.40 % Category 8) 0.40 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.40 % Category 11A) no restriction Category 11B) 0.40 % Category 12) no restriction	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT EXTRACT	Citral, contact allergen for eczema products	89957-91 -5	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT EXTRACT	Citrus Aurantium Bergamia (Bergamot) Fruit Extract	89957-91 -5	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT EXTRACT	CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT EXTRACT	89957-91 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT EXTRACT	Farnesol, contact allergen for eczema products	89957-91 -5	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Bergamot oil expressed	8007-75- 8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.4% in leaveon products	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Bergamot oil expressed	8007-75-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.40 % Category 2) 0.40 % Category 3) 0.40 % Category 4) 0.40 % Category 5A) 0.40 % Category 5B) 0.40 % Category 5C) 0.40 % Category 5D) 0.40 % Category 6) 0.40 % Category 7A) no restriction Category 7B) 0.40 % Category 8) 0.40 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.40 % Category 11A) no restriction Category 11B) 0.40 % Category 12) no restriction	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Bergamot oil expressed	8007-75-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.40 % Category 2) 0.40 % Category 3) 0.40 % Category 4) 0.40 % Category 5A) 0.40 % Category 5B) 0.40 % Category 5C) 0.40 % Category 5D) 0.40 % Category 6) 0.40 % Category 7A) no restriction Category 7B) 0.40 % Category 8) 0.40 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.40 % Category 11A) no restriction Category 11B) 0.40 % Category 12) no restriction	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Citral, contact allergen for eczema products	8007-75- 8	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	8007-75- 8	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Citrus aurantium bergamia oil (Bergamot oil)	8007-75- 8	The presence of the substance shall be indicated in the list of ingredients when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Citrus oils and other furocoumarins containing essential oils	8007-75-	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	8007-75- 8	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Farnesol, contact allergen for eczema products	8007-75- 8	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL	Linalool, contact allergen for eczema products	8007-75- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT WATER	Citral, contact allergen for eczema products	89957-91 -5	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT WATER	Citrus Aurantium Bergamia (Bergamot) Fruit Water	89957-91 -5	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT WATER	CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT WATER	89957-91 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT WATER	Farnesol, contact allergen for eczema products	89957-91 -5	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) LEAF EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) LEAF EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) LEAF OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM BERGAMIA (BERGAMOT) LEAF OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) LEAF OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) LEAF OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) PEEL OIL	Citral, contact allergen for eczema products	92704-01 -3	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) PEEL OIL	Citrus oils and other furocoumarins containing essential oils	92704-01 -3	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) PEEL OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	92704-01 -3	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIUM BERGAMIA (BERGAMOT) PEEL WATER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM BERGAMIA (BERGAMOT) PEEL WATER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE)	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM DULCIS (ORANGE)	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER EXTRACT	Citrus aurantium amara and dulcis flower oil	0	The presence of the substance or substances shall be indicated as 'Citrus Aurantium Amara and Dulcis Flower Oil' in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER OIL	Citral, contact allergen for eczema products	8016-38- 4	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER OIL	Citrus oils and other furocoumarins containing essential oils	8016-38- 4	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	8016-38- 4	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER OIL	Farnesol, contact allergen for eczema products	8016-38- 4	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER OIL	Geraniol, contact allergen for eczema products	8016-38- 4	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER OIL	Linalool, contact allergen for eczema products	8016-38- 4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER WATER	Citral, contact allergen for eczema products	8030-28- 2	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER WATER	Farnesol, contact allergen for eczema products	8030-28- 2	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER WATER	Geraniol, contact allergen for eczema products	8030-28- 2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER WATER	Linalool, contact allergen for eczema products	8030-28- 2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER WAX	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER WAX	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT EXTRACT	Citrus Aurantium Dulcis (orange) Fruit Extract	8028-48- 6	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT POWDER	CITRUS AURANTIUM DULCIS (ORANGE) FRUIT POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT POWDER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT WATER	Citral, contact allergen for eczema products	8028-48- 6	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT WATER	Citrus Aurantium Dulcis (orange) Fruit Water	8028-48- 6	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT WATER	CITRUS AURANTIUM DULCIS (ORANGE) FRUIT WATER	8028-48- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT WATER	Farnesol, contact allergen for eczema products	8028-48- 6	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT WATER	Geraniol, contact allergen for eczema products	8028-48- 6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) FRUIT WATER	Linalool, contact allergen for eczema products	8028-48- 6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	X
CITRUS AURANTIUM DULCIS (ORANGE) JUICE	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM DULCIS (ORANGE) JUICE	Citrus Aurantium Dulcis (orange) Juice	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) JUICE	CITRUS AURANTIUM DULCIS (ORANGE) JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS AURANTIUM DULCIS (ORANGE) JUICE	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) JUICE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) JUICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS AURANTIUM DULCIS (ORANGE) LEAF EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) LEAF EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIUM DULCIS (ORANGE) OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM DULCIS (ORANGE) OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL EXTRACT	Citrus Aurantium Dulcis (Orange) Peel Extract	0	The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) PEEL EXTRACT	Citrus Aurantium Sinensis Peel Extract	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) PEEL OIL	CITRUS AURANTIUM DULCIS (ORANGE) PEEL OIL	8028-48- 6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 29% when formulated to be non-irritating.	
CITRUS AURANTIUM DULCIS (ORANGE) PEEL OIL	Citrus oils and other furocoumarins containing essential oils	8028-48-	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
DULCIS (ORANGE) PEEL OIL	furocoumarins containing essential oils (Bergapten)	6028-48- 6	total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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CITRUS AURANTIUM DULCIS (ORANGE) PEEL POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL POWDER	Citrus Aurantium Dulcis (Orange) Peel Powder	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) PEEL POWDER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL WAX	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL WAX	Citrus Aurantium Dulcis (Orange) Peel Wax	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) PEEL WAX	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) PEEL WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) SEED EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) SEED EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) SEED EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) SEED EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM DULCIS (ORANGE) WOOD OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) WOOD OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS AURANTIUM DULCIS (ORANGE) WOOD OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS AURANTIUM DULCIS (ORANGE) WOOD OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) WOOD OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM DULCIS (ORANGE) WOOD OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM FLORAL WATER	Citral, contact allergen for eczema products	68916-04 -1	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM FLORAL WATER	Farnesol, contact allergen for eczema products	68916-04 -1	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM FLORAL WATER	Geraniol, contact allergen for eczema products	68916-04 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM FLORAL WATER	Linalool, contact allergen for eczema products	68916-04 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM HYDROSOL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS AURANTIUM HYDROSOL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM HYDROSOL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURANTIUM HYDROSOL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS AURATIUM BERGAMIA (BERGAMOT) PEEL OIL	Citrus oils and other furocoumarins containing essential oils		Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
Citrus Australasica Fruit Extract	Microcitrus Australasica Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS CLEMENTINA FRUIT EXTRACT	Citrus Clementina Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS CLEMENTINA FRUIT EXTRACT	CITRUS CLEMENTINA FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS CLEMENTINA JUICE	Citrus Clementina Juice	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS CLEMENTINA JUICE	CITRUS CLEMENTINA JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS DEPRESSA FRUIT EXTRACT	Citrus Depressa Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS DEPRESSA FRUIT EXTRACT	CITRUS DEPRESSA FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
Citrus Fruit Extract	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS GLAUCA FRUIT EXTRACT	Citrus Glauca Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS GLAUCA FRUIT EXTRACT	CITRUS GLAUCA FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS GLUACA (AUSTRALIAN DESERT LIME) FRUIT EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
CITRUS GRANDIS (GRAPEFRUIT) FRUIT EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) FRUIT EXTRACT	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) FRUIT EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) FRUIT EXTRACT	90045-43 -5	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS GRANDIS (GRAPEFRUIT) FRUIT EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) FRUIT EXTRACT	90045-43 -5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 15% and when formulated to be non-irritating.	
CITRUS GRANDIS (GRAPEFRUIT) FRUIT WATER	CITRUS GRANDIS (GRAPEFRUIT) FRUIT WATER	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) FRUIT WATER	CITRUS GRANDIS (GRAPEFRUIT) FRUIT WATER	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS GRANDIS (GRAPEFRUIT) FRUIT WATER	CITRUS GRANDIS (GRAPEFRUIT) FRUIT WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS GRANDIS (GRAPEFRUIT) JUICE	CITRUS GRANDIS (GRAPEFRUIT) FRUIT EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) JUICE	CITRUS GRANDIS (GRAPEFRUIT) JUICE	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) JUICE	CITRUS GRANDIS (GRAPEFRUIT) JUICE	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS GRANDIS (GRAPEFRUIT) JUICE	CITRUS GRANDIS (GRAPEFRUIT) JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS GRANDIS (GRAPEFRUIT) JUICE	CITRUS GRANDIS (GRAPEFRUIT) PEEL EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) JUICE	CITRUS PARADISI (GRAPEFRUIT) SEED EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) LEAF EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) LEAF EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS GRANDIS (GRAPEFRUIT) OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS GRANDIS (GRAPEFRUIT) OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS GRANDIS (GRAPEFRUIT) PEEL	CITRUS GRANDIS (GRAPEFRUIT) PEEL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) PEEL	CITRUS GRANDIS (GRAPEFRUIT) PEEL	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS GRANDIS (GRAPEFRUIT) PEEL EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) PEEL EXTRACT	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) PEEL EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) PEEL EXTRACT	90045-43 -5	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the concentration of 0.05% when formulated to be non-irritating.	
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	CITRUS PARADISI (GRAPEFRUIT) FRUIT EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	CITRUS PARADISI (GRAPEFRUIT) JUICE	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	Grapefruit oil expressed	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 4% in leaveon products	
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	Grapefruit oil expressed	0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 4% Category 2) 4% Category 3) 4% Category 4) 4% Category 5A) 4% Category 5B) 4% Category 5C) 4% Category 5D) 4% Category 6) 4% Category 7A) no restriction Category 7B) 4% Category 8) 4% Category 9) no restriction Category 10A) no restriction Category 10B) 4% Category 11A) no restriction Category 11B) 4% Category 12) no restriction	
CITRUS GRANDIS (GRAPEFRUIT) PEEL OIL	Grapefruit oil expressed	0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 4% Category 2) 4% Category 3) 4% Category 4) 4% Category 5A) 4% Category 5B) 4% Category 5C) 4% Category 5D) 4% Category 6) 4% Category 7A) no restriction Category 7B) 4% Category 8) 4% Category 9) no restriction Category 10A) no restriction Category 10B) 4% Category 11A) no restriction Category 11B) 4% Category 12) no restriction	
CITRUS GRANDIS (GRAPEFRUIT) PEEL POWDER	CITRUS GRANDIS (GRAPEFRUIT) PEEL POWDER	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) PEEL POWDER	CITRUS GRANDIS (GRAPEFRUIT) PEEL POWDER	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) FRUIT EXTRACT	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) FRUIT WATER	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) JUICE	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) LEAF EXTRACT	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) PEEL	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) PEEL EXTRACT	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	

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CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	CITRUS GRANDIS (GRAPEFRUIT) PEEL POWDER	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	Citrus Grandis (Grapefruit) Seed Extract	90045-43 -5	This ingredient cannot contain triclosan, quaternary ammonium compounds, or parabens.	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	CITRUS PARADISI (GRAPEFRUIT) SEED EXTRACT	90045-43 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS (GRAPEFRUIT) SEED EXTRACT	Grapefruit oil expressed	90045-43 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 4% Category 2) 4% Category 3) 4% Category 4) 4% Category 5A) 4% Category 5B) 4% Category 5C) 4% Category 5D) 4% Category 6) 4% Category 7A) no restriction Category 7B) 4% Category 8) 4% Category 9) no restriction Category 10A) no restriction Category 10B) 4% Category 11A) no restriction Category 11B) 4% Category 12) no restriction	
CITRUS GRANDIS (GRAPEFRUIT) SEED OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS GRANDIS (GRAPEFRUIT) SEED OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS GRANDIS/PARADISI FRUIT WATER	CITRUS GRANDIS/PARADISI FRUIT WATER	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS GRANDIS/PARADISI FRUIT WATER	CITRUS GRANDIS/PARADISI FRUIT WATER	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS GRANDIS/PARADISI FRUIT WATER	CITRUS GRANDIS/PARADISI FRUIT WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS HYSTRIX LEAF OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS HYSTRIX LEAF OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS HYSTRIX LEAF OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS HYSTRIX PEEL OIL	Citrus oils and other furocoumarins containing essential oils	91771-50- 5	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS HYSTRIX PEEL OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	91771-50- 5	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS JABARA JUICE	Citrus Jabara Juice	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS JABARA JUICE	CITRUS JABARA JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS JABARA PEEL EXTRACT	Citrus Jabara Peel Extract	0	The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS JAPONICA FRUIT EXTRACT	Citrus Japonica Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS JAPONICA FRUIT EXTRACT	CITRUS JAPONICA FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS JUNOS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS JUNOS FRUIT EXTRACT	Citrus Junos Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS JUNOS FRUIT EXTRACT	CITRUS JUNOS FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.002% and when formulated to be non-irritating.	apaaro
CITRUS JUNOS FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS JUNOS FRUIT POWDER	Citrus Junos Fruit Powder	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS JUNOS FRUIT POWDER	CITRUS JUNOS FRUIT POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS JUNOS FRUIT POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus junos oil	Citrus oils and other furocoumarins containing essential oils	233683-8 4-6	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
Citrus junos oil	Citrus oils and other furocoumarins containing essential oils (Bergapten)	233683-8 4-6	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
Citrus junos oil	Linalool, contact allergen for eczema products	233683-8 4-6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS JUNOS PEEL EXTRACT	Citrus Junos Peel Extract	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS JUNOS PEEL EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS JUNOS PEEL OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS JUNOS PEEL OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS JUNOS PEEL OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus Junos Peel Powder	Citrus Junos Peel Powder	0	The Cosmetic Ingredient Review restricts the 5-methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leave-on products.	
Citrus Junos Peel Powder	Citrus Junos Peel Powder	0	The Cosmetic Ingredient Review panel concludes this substance is safe in the present practices of use and concentration in both rinse-off and leave-on cosmetic products when formulated to be non-sensitizing and non-irritating is up to a concentration of 0.002%.	
CITRUS JUNOS PEEL WATER	Citrus Junos Peel Water	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS JUNOS PEEL WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON)	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS LIMON (LEMON) BIOFLAVANOIDS	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) BIOFLAVANOIDS	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS LIMON (LEMON) BIOFLAVANOIDS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) FRUIT EXTRACT	Citral, contact allergen for eczema products	84929-31 -7	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) FRUIT EXTRACT	CITRUS LIMON (LEMON) FRUIT EXTRACT	84929-31 -7	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) FRUIT EXTRACT	CITRUS LIMON (LEMON) FRUIT EXTRACT	84929-31 -7	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS LIMON (LEMON) FRUIT EXTRACT	CITRUS LIMON (LEMON) FRUIT EXTRACT	84929-31 -7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1.2% when formulated to be non-irritating.	
CITRUS LIMON (LEMON) FRUIT EXTRACT	CITRUS MEDICA LIMONUM (LEMON) EXTRACT	84929-31 -7	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) FRUIT EXTRACT	Geraniol, contact allergen for eczema products	84929-31 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS LIMON (LEMON) FRUIT EXTRACT	Lemon oil cold pressed	84929-31 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.0% Category 2) 2.0% Category 3) 2.0% Category 4) 2.0% Category 5A) 2.0% Category 5B) 2.0% Category 5C) 2.0% Category 5D) 2.0% Category 6) 2.0% Category 7A) no restriction Category 7B) 2.0% Category 8) 2.0% Category 9) no restriction Category 10A) no restriction Category 10B) 2.0% Category 11A) no restriction Category 11B) 2.0% Category 12) no restriction	
CITRUS LIMON (LEMON) FRUIT EXTRACT	Linalool, contact allergen for eczema products	84929-31 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS LIMON (LEMON) FRUIT OIL	Citral, contact allergen for eczema products	8008-56- 8	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) FRUIT OIL	Citrus Limon (lemon) Fruit Oil	8008-56- 8	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS LIMON (LEMON) FRUIT OIL	Citrus limon oil	8008-56- 8	The presence of this ingredient shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CITRUS LIMON (LEMON) FRUIT OIL	CITRUS MEDICA LIMONUM (LEMON) FRUIT OIL	8008-56- 8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) FRUIT OIL	CITRUS MEDICA LIMONUM (LEMON) PEEL OIL	8008-56- 8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS LIMON (LEMON) FRUIT OIL	Citrus oils and other furocoumarins containing essential oils	8008-56-	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS LIMON (LEMON) FRUIT OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	8008-56- 8	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS LIMON (LEMON) FRUIT OIL	Geraniol, contact allergen for eczema products	8008-56- 8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) FRUIT OIL	Lemon oil cold pressed	8008-56- 8	The International Fragrance Association restricts this ingredient to a maximum concentration of 2% in leaveon products	
CITRUS LIMON (LEMON) FRUIT OIL	Lemon oil cold pressed	8008-56- 8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.0% Category 2) 2.0% Category 3) 2.0% Category 4) 2.0% Category 5A) 2.0% Category 5B) 2.0% Category 5C) 2.0% Category 5D) 2.0% Category 6) 2.0% Category 7A) no restriction Category 7B) 2.0% Category 8) 2.0% Category 9) no restriction Category 10A) no restriction Category 10B) 2.0% Category 11A) no restriction Category 11B) 2.0% Category 12) no restriction	
CITRUS LIMON (LEMON) FRUIT OIL	Linalool, contact allergen for eczema products	8008-56- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
CITRUS LIMON (LEMON) FRUIT POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) FRUIT POWDER	CITRUS LIMON (LEMON) FRUIT POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS LIMON (LEMON) FRUIT POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) FRUIT POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) FRUIT WATER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS LIMON (LEMON) FRUIT WATER	CITRUS LIMON (LEMON) FRUIT WATER	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) FRUIT WATER	CITRUS LIMON (LEMON) FRUIT WATER	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS LIMON (LEMON) FRUIT WATER	CITRUS LIMON (LEMON) FRUIT WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS LIMON (LEMON) FRUIT WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) FRUIT WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) JUICE	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS LIMON (LEMON) JUICE	CITRUS LIMON (LEMON) JUICE	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) JUICE	CITRUS LIMON (LEMON) JUICE	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS LIMON (LEMON) JUICE	CITRUS LIMON (LEMON) JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS LIMON (LEMON) JUICE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS LIMON (LEMON) JUICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) JUICE ACIDS	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS LIMON (LEMON) JUICE ACIDS	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) JUICE ACIDS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus limon (Lemon) Juice Concentrate	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Citrus limon (Lemon) Juice Concentrate	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus limon (Lemon) Juice Concentrate	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) JUICE EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) JUICE EXTRACT	CITRUS LIMON (LEMON) JUICE EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) JUICE EXTRACT	CITRUS LIMON (LEMON) JUICE EXTRACT	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS LIMON (LEMON) JUICE EXTRACT	CITRUS LIMON (LEMON) JUICE EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS LIMON (LEMON) JUICE EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) JUICE EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus limon (lemon) juice powder	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus limon (lemon) juice powder	Citrus limon (lemon) juice powder	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
Citrus limon (lemon) juice powder	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus limon (lemon) juice powder	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus Limon (Lemon) Juice Solids	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus Limon (Lemon) Juice Solids	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Citrus Limon (Lemon) Juice Solids	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
Citrus Limon (Lemon) Leaf Cell Extract	CITRUS LIMON (LEMON) LEAF EXTRACT	92346-89 -9	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8-methoxypsoralen, 5-methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) LEAF EXTRACT	CITRUS LIMON (LEMON) LEAF EXTRACT	84929-31 -7	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8-methoxypsoralen, 5-methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) LEAF OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) LEAF OIL	CITRUS LIMON LEAF OIL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) LEAF OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS LIMON (LEMON) LEAF OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS LIMON (LEMON) LEAF OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) OIL BIOFLAVONOID	Citral, contact allergen for eczema products	61788-55 -4	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS LIMON (LEMON) OIL BIOFLAVONOID	Citrus oils and other furocoumarins containing essential oils	61788-55 -4	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS LIMON (LEMON) OIL BIOFLAVONOID	Geraniol, contact allergen for eczema products	61788-55 -4	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) OIL BIOFLAVONOID	Linalool, contact allergen for eczema products	61788-55 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) PEEL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) PEEL	Citrus Limon (Lemon) Peel	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS LIMON (LEMON) PEEL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) PEEL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) PEEL EXTRACT	CITRUS LIMON (LEMON) FRUIT EXTRACT	92346-89 -9	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) PEEL EXTRACT	CITRUS LIMON (LEMON) FRUIT WATER	92346-89 -9	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) PEEL EXTRACT	CITRUS LIMON (LEMON) JUICE	92346-89 -9	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) PEEL EXTRACT	CITRUS LIMON (LEMON) JUICE EXTRACT	92346-89 -9	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) PEEL EXTRACT	Citrus Limon (Lemon) Peel Extract	92346-89 -9	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS LIMON (LEMON) PEEL EXTRACT	CITRUS LIMON LEAF OIL	92346-89 -9	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) PEEL OIL	Citral, contact allergen for eczema products	8008-56- 8	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) PEEL OIL	CITRUS LIMON (LEMON) PEEL OIL	8008-56- 8	The Cosmetic Ingredient Review found this substance was safe as used when formulated to be non-irritating and up to a concentration of 0.5%. Product cannot contain more than 0.0015% (15 ppm) 5-methoxypsoralen.	
CITRUS LIMON (LEMON) PEEL OIL	CITRUS MEDICA LIMONUM (LEMON) PEEL OIL	8008-56- 8	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS LIMON (LEMON) PEEL OIL	Citrus oils and other furocoumarins containing essential oils	8008-56-8	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS LIMON (LEMON) PEEL OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	8008-56- 8	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS LIMON (LEMON) PEEL OIL	Geraniol, contact allergen for eczema products	8008-56- 8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS LIMON (LEMON) PEEL OIL	Linalool, contact allergen for eczema products	8008-56- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) PEEL POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) PEEL POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) PEEL POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS LIMON (LEMON) SEED OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS LIMON (LEMON) SEED OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS LIMON (LEMON) SEED OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMON (LEMON) SEED OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMONOIDS	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMONOIDS	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS LIMONOIDS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS MADURENSIS FRUIT JUICE	Citrus Madurensis Fruit Juice	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS MADURENSIS FRUIT JUICE	CITRUS MADURENSIS FRUIT JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS MEDICA ACIDA PEEL OIL EXPRESSED	Citrus oils and other furocoumarins containing essential oils	93685-55 -3	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS MEDICA ACIDA PEEL OIL EXPRESSED	Citrus oils and other furocoumarins containing essential oils (Bergapten)	93685-55 -3	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS NOBILIS (MANDARIN ORANGE) PEEL OIL	CITRUS NOBILIS (MANDARIN ORANGE) PEEL OIL		The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS NOBILIS (MANDARIN ORANGE) PEEL OIL	Citrus oils and other furocoumarins containing essential oils		Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS OIL EXTRACT	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS OIL EXTRACT	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS PARADISI (GRAPEFRUIT) FRUIT EXTRACT	CITRUS PARADISI (GRAPEFRUIT) FRUIT EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS PARADISI (GRAPEFRUIT) FRUIT EXTRACT	CITRUS PARADISI (GRAPEFRUIT) FRUIT EXTRACT	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS PARADISI (GRAPEFRUIT) FRUIT EXTRACT	CITRUS PARADISI (GRAPEFRUIT) FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1.5% and when formulated to be non-irritating.	
CITRUS PARADISI (GRAPEFRUIT) FRUIT OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS PARADISI (GRAPEFRUIT) FRUIT OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS PARADISI (GRAPEFRUIT) JUICE	CITRUS PARADISI (GRAPEFRUIT) JUICE	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS PARADISI (GRAPEFRUIT) JUICE	CITRUS PARADISI (GRAPEFRUIT) JUICE	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS PARADISI (GRAPEFRUIT) JUICE	CITRUS PARADISI (GRAPEFRUIT) JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS PARADISI (GRAPEFRUIT) OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS PARADISI (GRAPEFRUIT) OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS PARADISI (GRAPEFRUIT) PEEL EXTRACT	Citrus Paradisi (Grapefruit) Peel Extract	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS PARADISI (GRAPEFRUIT) PEEL OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS PARADISI (GRAPEFRUIT) PEEL OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS PARADISI (GRAPEFRUIT) SEED EXTRACT	CITRUS PARADISI (GRAPEFRUIT) SEED EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS PARADISI (GRAPEFRUIT) SEED OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS PARADISI (GRAPEFRUIT) SEED OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS PARADISI (GRAPEFRUIT) SEED OIL	CITRUS PARADISI (GRAPEFRUIT) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 20%	
CITRUS PARADISI PEEL OIL	Citrus oils and other furocoumarins containing essential oils	077/2 05	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS PARADISI,X C. RETICULATA PEEL EXTRACT	ETTRUS PARADISI,X C. RETICULATA PEEL EXTRACT	93763-95- 2	Ine European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS PARADISI,X C. RETICULATA PEEL EXTRACT	CITRUS PARADISI,X C. RETICULATA PEEL OIL EXPRESSED	93763-95- 2	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS PARADISI,X C. RETICULATA PEEL OIL EXPRESSED	Citrus oils and other furocoumarins containing essential oils	93763-95- 2	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS PARADISI,X C. RETICULATA PEEL OIL EXPRESSED	Citrus oils and other furocoumarins containing essential oils (Bergapten)	93763-95- 2	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS PARADISI,X C. RETICULATA PEEL OIL EXPRESSED	CITRUS PARADISI,X C. RETICULATA PEEL OIL EXPRESSED	93763-95- 2	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA	CITRUS RETICULATA	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.04% when formulated to be non-irritating.	
CITRUS RETICULATA	Citrus Tangerina (tangerine) Fruit	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS RETICULATA	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA FRUIT EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA FRUIT EXTRACT	Citrus Medica Vulgaris Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS RETICULATA FRUIT EXTRACT	Citrus Nobilis (mandarin Orange) Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS RETICULATA FRUIT EXTRACT	Citrus Nobilis (Mandarin Orange) Peel Extract	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS RETICULATA FRUIT EXTRACT	CITRUS NOBILIS (MANDARIN ORANGE) PEEL OIL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA FRUIT EXTRACT	CITRUS RETICULATA (MANDARIN ORANGE) FRUIT EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA FRUIT EXTRACT	CITRUS RETICULATA FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS RETICULATA FRUIT EXTRACT	CITRUS RETICULATA FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS RETICULATA FRUIT EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS RETICULATA FRUIT EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA FRUIT OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS RETICULATA FRUIT OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS RETICULATA FRUIT OIL	CITRUS RETICULATA FRUIT OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS RETICULATA FRUIT OIL	Citrus Unshiu Fruit Oil	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS RETICULATA JUICE	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA JUICE	Citrus Nobilis (mandarin Orange) Fruit Juice	0	(*) The Cosmetic Ingredient Review restricts the Smethoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS RETICULATA JUICE	CITRUS RETICULATA JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CITRUS RETICULATA JUICE	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA JUICE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA JUICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA LEAF OIL	Citral, contact allergen for eczema products	8014-17- 3	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA LEAF OIL	Citrus oils and other furocoumarins containing essential oils	8014-17-	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS RETICULATA LEAF OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	8014-17- 3	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS RETICULATA LEAF OIL	Citrus reticulata leaf oil	8014-17- 3	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA LEAF OIL	CITRUSRETICULATALEAFO IL	8014-17- 3	Health Canada restricts this ingredient to a maximum concentration of 0.1% in leaveon products.	
CITRUS RETICULATA LEAF OIL	Farnesol, contact allergen for eczema products	8014-17- 3	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA LEAF OIL	Geraniol, contact allergen for eczema products	8014-17- 3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS RETICULATA LEAF OIL	Linalool, contact allergen for eczema products	8014-17- 3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA OIL	Citral, contact allergen for eczema products		This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA OIL	Citrus oils and other furocoumarins containing essential oils		Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS RETICULATA OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)		The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS RETICULATA OIL	Farnesol, contact allergen for eczema products		This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS RETICULATA OIL	Geraniol, contact allergen for eczema products		This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA OIL	Linalool, contact allergen for eczema products		This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Citrus reticulata peel	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus reticulata peel	Citrus Tangerina (Tangerine) Peel	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
Citrus reticulata peel	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus reticulata peel	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Citrus reticulata peel	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS RETICULATA PEEL EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA PEEL EXTRACT	Citrus Aurantium Tachibana Peel Extract	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS RETICULATA PEEL EXTRACT	CITRUS RETICULATA (MANDARIN ORANGE) PEEL EXTRACT	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA PEEL EXTRACT	Citrus Reticulata (Tangerine) Peel Extract	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS RETICULATA PEEL EXTRACT	Citrus Unshiu Peel Extract	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS RETICULATA PEEL EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA PEEL EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CITRUS RETICULATA PEEL EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA PEEL OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA PEEL OIL	CITRUS NOBILIS (MANDARIN ORANGE) PEEL OIL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA PEEL OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
OIL	furocoumarins containing essential oils (Bergapten)	0	total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS RETICULATA PEEL OIL	CITRUS RETICULATA (MANDARIN ORANGE) PEEL OIL	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA PEEL OIL	CITRUS RETICULATA PEEL OIL	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.1% and when formulated to be non-irritating.	
CITRUS RETICULATA PEEL OIL	CITRUS RETICULATA PEEL POWDER	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA PEEL OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA PEEL OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA PEEL OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA PEEL POWDER	CITRUS RETICULATA PEEL POWDER	0	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA PEEL POWDER	Citrus Unshiu Peel Powder	0	The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
CITRUS RETICULATA WATER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA WATER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS RETICULATA,X C. SINENSIS PEEL EXTRACT	CITRUS RETICULATA,X C. SINENSIS PEEL EXTRACT	93686-22 -7	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS RETICULATA,X C. SINENSIS PEEL EXTRACT	CITRUS RETICULATA,X C. SINENSIS PEEL OIL EXPRESSED	93686-22 -7	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS RETICULATA,X C. SINENSIS PEEL OIL EXPRESSED	Citrus oils and other furocoumarins containing essential oils	93686-22 -7	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS RETICULATA,X C. SINENSIS PEEL OIL EXPRESSED	Citrus oils and other furocoumarins containing essential oils (Bergapten)	93686-22 -7	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS RETICULATA,X C. SINENSIS PEEL OIL EXPRESSED	CITRUS RETICULATA,X C. SINENSIS PEEL OIL EXPRESSED	93686-22 -7	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CITRUS SEED OIL	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS SEED OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS SINENSIS (SWEET ORANGE)	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS SINENSIS (SWEET ORANGE)	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
CITRUS SINENSIS (SWEET ORANGE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CITRUS SINENSIS (SWEET ORANGE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CITRUS SPECIES LEAF OIL	Citrus oils and other furocoumarins containing essential oils	94266-47 -4	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS SPECIES LEAF OIL	Citrus oils and other furocoumarins containing essential oils (Bergapten)	94266-47 -4	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CITRUS SPECIES PEEL OIL EXPRESSED	Citrus oils and other furocoumarins containing essential oils	94266-47 -4	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
CITRUS SPECIES PEEL OIL EXPRESSED	Citrus oils and other furocoumarins containing essential oils (Bergapten)	94266-47 -4	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
CLADOSIPHON NOVAE-CALEDONIAE EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CLADOSIPHON OKAMURANUS EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CLADOSIPHON OKAMURANUS EXTRACT	CLADOSIPHON OKAMURANUS EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CLARY SAGE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
CLARY SAGE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Clary sage abs	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
Clary sage abs	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CLARY SAGE EXTRACT	Geraniol, contact allergen for eczema products	84775-83 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CLARY SAGE EXTRACT	Linalool, contact allergen for eczema products	84775-83 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CLAY	CLAYS AND MINERALS	1302-87- 0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
Clay fabric softeners	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
CLAY MINERALS	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
CLOFLUCARBAN	Halocarban	369-77-7	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.3% in products meant to be applied to the mucosa.	
CLOFLUCARBAN	Halocarban	369-77-7	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.3% in leaveon products (not applied to mucosa).	
cloth	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
Clove leaf oil terpenes	Eugenol, contact allergen for eczema products	68917-29 -3	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CLOVER HONEY	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
CLOVER HONEY	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
CLOVER HONEY	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	
COAL LIQUIDS, LIQ. SOLVENT EXTN.	Coal liquids, liq. solvent extn.	94114-48 -4	The European Commission bans this ingredient from use in cosmetics if it contains over 0.005% w/w benzo[a]pyrene	
COAL LIQUIDS, LIQ. SOLVENT EXTN. SOLN.	Coal liquids, liq. solvent extn. soln.	94114-47 -3	The European Commission bans this ingredient from use in cosmetics if it contains over 0.005% w/w benzo[a]pyrene	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
COBALT ALLOY, CO,CR	Chromium Compounds	11114-92- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	-
COBALT ALUMINUM OXIDE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
COCAMIDE DIPA	COCAMIDE DIPA	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
COCAMIDE MIPA	COCAMIDE MIPA	68333-82 -4	The Cosmetic Ingredient Review found this substance was safe as used at a concentration of 12% when formulated to be non-irritating.	
COCAMIDOPROPYL BETAINE	COCAMIDOPROPYL BETAINE	61789-40 -0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
COCAMIDOPROPYL DIMETHYLAMINE	Cocamidopropyl Dimethylamine	68140-01 -2	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
COCAMIDOPROPYL HYDROXYSULTAINE	Cocamidopropyl hydroxysultaine	68139-30 -0	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 11.5%.	
COCAMIDOPROPYL HYDROXYSULTAINE	Cocamidopropyl hydroxysultaine	68139-30 -0	The CIR panel expressed concern about DMAPA impurities in this ingredient. The concentration of DMAPA in this ingredient must not exceed 0.01%. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
COCAMIDOPROPYL HYDROXYSULTAINE	COCAMIDOPROPYL HYDROXYSULTAINE	68139-30 -0	The Consumer Ingredient Review Expert Panel concluded that this ingredient is safe in cosmetics in the present practices of use and concentration < 11.5%. The CIR panel also noted Dimethylaminopropylamine (DMAPA) impurities in this ingredient. The concentration of DMAPA in this ingredient must not exceed 0.01%. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
COCAMIDOPROPYL PG-DIMONIUM CHLORIDE PHOSPHATE	COCAMIDOPROPYL PG-DIMONIUM CHLORIDE PHOSPHATE	0	Due to a lack of data for this specific substance, readacross was applied and data for the structurally similar compound cocamidopropyl betaine (CAPB) was used to evaluate this substance. CAPB is known to be a potential sensitizer, so formulations including this ingredient must demonstrate that they are nonsensitizing.	X
COCAMIDOPROPYLAMINE OXIDE	COCAMIDOPROPYLAMINE OXIDE	68155-09 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4% in rinseoff products.	
COCAMIDOPROPYLAMINE OXIDE	COCAMIDOPROPYLAMINE OXIDE	68155-09 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%. The concentration of DMAPA should not exceed 0.01%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
COCAMINE	COCAMINE	61788-46 -3	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers.	
COCETH-7	COCETH7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
coco methyl ester ethoxylate	Coco Methyl Ester Ethoxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
COCO-BETAINE	COCO-BETAINE	68424-94 -2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 9.8% and when formulated to be non-irritating.	
COCO-CAPRYLATE/CAPRATE	CocoCaprylate/Caprate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when formulated to be nonirritating up to 62%.	
COCO-HYDROXYSULTAINE	COCO-HYDROXYSULTAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
COCO-SULTAINE	COCO-SULTAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
COCO/OLEAMIDOPROPYL BETAINE	coco/oleamidopropyl betaine	86438-79 -1	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betoine (CAPB)	
COCO/SUNFLOWERAMIDOP ROPYL BETAINE	COCO/SUNFLOWERAMIDO PROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
COCO/SUNFLOWERAMIDOP ROPYL BETAINE	COCO/SUNFLOWERAMIDO PROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB)	
COCO/SUNFLOWERAMIDOP ROPYL BETAINE	COCO/SUNFLOWERAMIDO PROPYL BETAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
COCODIMONIUM HYDROXYPROPYL HYDROLYZED RICE PROTEIN	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
COCONUT ALCOHOL	COCONUT ALCOHOL	68425-37 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.9%.	
COCONUT FATTY ACID	Coconut Acid	61788-47 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 14%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
COCONUT OIL ALCOHOL, ETHOXYLATED	Coconut Oil Alcohol, Ethoxylated	61791-13- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
COCONUT OIL PEG-10 ESTERS	COCONUT OIL PEG-10 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
COCONUT OIL PEG-10 ESTERS	Coconut Oil Peg10 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
COCONUT OIL PPG-2-PEG-6 ESTERS	Coconut Oil Ppg2Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
COCOS NUCIFERA (COCONUT) FRUIT JUICE	COCOS NUCIFERA (COCONUT) FRUIT JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1%.	
COCOYL GLUTAMIC ACID	Cocoyl glutamic acid	0	The Cosmetic Ingredient Review has determined that	
COCOYL SARCOSINE	COCOYL SARCOSINE	68411-97 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products.	
COD LIVER/MINK/TALLOW TRIGLYCERIDE	COD LIVER/MINK/TALLOW TRIGLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CODIUM TOMENTOSUM (ALGAE)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CODIUM TOMENTOSUM (ALGAE) EXTRACT	Algae and related substances	92128-82 -0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
COENOCHLORIS SIGNIENSIS EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
COFFEA ARABICA (ARABIAN COFFEE)	COFFEA ARABICA (ARABIAN COFFEE)	84650-00 -0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
COLISTIN	Colistin	1066-17-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
COLLAGEN	COLLAGEN	9007-34- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
COLLAGEN	HYDROLYZED COLLAGEN	9007-34- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 16.5%.	X
COLLAGEN AMINO ACIDS	COLLAGEN AMINO ACIDS	9015-54- 7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 6%	X
COLLODION	COLLODION	9004-70- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
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EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
COLLOIDAL CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
COLLOIDAL KAOLIN	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
COLOPHONIUM	Contact allergens for eczema products	0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	x
COLOSTRUM	Colostrum	0	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
COMFREY POWDER	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
COMMIPHORA ERYTHREA GLABRESCENS GUM EXTRACT	COMMIPHORA ERYTHREA GLABRESCENS GUM EXTRACT	93686-00 -1	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
COMMIPHORA ERYTHREA GLABRESCENS GUM OIL	COMMIPHORA ERYTHREA GLABRESCENS GUM EXTRACT	93686-00 -1	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
COMMIPHORA ERYTHREA GLABRESCENS GUM OIL	COMMIPHORA ERYTHREA GLABRESCENS GUM OIL	93686-00 -1	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
CONIFERYL BENZOATE	Benzoate	4159-29- 9	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
COPPER TRIPEPTIDE-1	COPPER TRIPEPTIDE-1	89030-95 -5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.001%.	
CORALLINA OFFICINALIS EXTRACT	CORALLINA OFFICINALIS EXTRACT	89997-92 -2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
CORALLINA OFFICINALIS POWDER	CORALLINA OFFICINALIS POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CORIANDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CORIANDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
CORIANDER EXTRACT	Geraniol, contact allergen for eczema products	84775-50 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CORIANDER EXTRACT	Linalool, contact allergen for eczema products	84775-50 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CORIANDRUM SATIVUM (CORIANDER) OIL	Geraniol, contact allergen for eczema products	8008-52- 4	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CORIANDRUM SATIVUM (CORIANDER) OIL	Linalool, contact allergen for eczema products	8008-52- 4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CORN GLUTEN AMINO ACIDS	CORN GLUTEN AMINO ACIDS	65072-01 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CORN OIL PEG-6 ESTERS	CORN OIL PEG-6 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CORN OIL PEG-6 ESTERS	Corn Oil Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CORN OIL PEG-8 ESTERS	CORN OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
CORN OIL PEG-8 ESTERS	Corn Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
CORN STARCH, MODIFIED	CORN STARCH, MODIFIED	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 45.7%.	
CORN STARCH/ ACRYLAMIDE/ SODIUM ACRYLATE COPOLYMER	CORN STARCH/ ACRYLAMIDE/ SODIUM ACRYLATE COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
CORNAMIDE DEA	CORNAMIDE DEA	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
CORNAMIDE DEA	CORNAMIDE DEA	0	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
CORNAMIDE/COCAMIDE DEA	Cornamide/cocamide DEA	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
CORNAMIDE/COCAMIDE DEA	Cornamide/cocamide DEA	0	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
CORUNDUM	Aluminum Oxide, Corundum	1302-74- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
COSO GREEN CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
COTTONSEED GLYCERIDE	COTTONSEED GLYCERIDE	8029-44- 5	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: gossypol, heavy metals, and pesticides.	
COUMARIN	Contact allergens for eczema products	91-64-5	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
COUMARIN	Coumarin	91-64-5	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
COUMARIN	Coumarin	91-64-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in lip products, 0.13% in deodorants/antiperspirants, 0.5% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.6% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.8% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2.5% in mouthwashes, breath sprays, and toothpastes, 0.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
COUMARIN	Coumarin	91-64-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.089% Category 2) 0.080% Category 3) 0.089% Category 4) 1.5% Category 5A) 0.38% Category 5B) 0.11% Category 5C) 0.16% Category 5D) 0.035% Category 6) 0.0024% Category 7A) 0.18% Category 7B) 0.18% Category 8) 0.035% Category 9) 0.52% Category 10A) 0.52% Category 10B) 1.6% Category 11A) 0.035% Category 11B) 0.035% Category 12) 33%	
COUMARIN, 3-GLYOXYLOYL-	Silica, amorphous; silicate; borosilicate	91635-05 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
COUMARIN, 3-GLYOXYLOYL-	Silica, amorphous; silicate; borosilicate	91635-05 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
COUMARIN, 3-GLYOXYLOYL-8-METHOXY-	Silica, amorphous; silicate; borosilicate	92024-91 -4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
COUMARIN, 3-GLYOXYLOYL-8-METHOXY-	Silica, amorphous; silicate; borosilicate	92024-91 -4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
CRESYL ALCOHOL	pTolyl alcohol	589-18-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.048 % Category 2) 0.048 % Category 3) 0.048 % Category 4) 1.5 % Category 5A) 0.64 % Category 5B) 0.048 % Category 5C) 0.048 % Category 5D) 0.016 % Category 6) 0.048 % Category 7A) 0.048 % Category 7B) 0.048 % Category 8) 0.016 % Category 9) 0.53 % Category 10A) 0.53 % Category 10B) 0.048 % Category 11A) 0.016 % Category 11B) 0.016 % Category 12) No Restriction	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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CUBEB OIL	Cubeb oil	8007-87- 2	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
CUCUMIS SATIVUS (CUCUMBER)	CUCUMIS SATIVUS (CUCUMBER)	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CUCUMIS SATIVUS (CUCUMBER) FRUIT EXTRACT	CUCUMIS SATIVUS (CUCUMBER) FRUIT EXTRACT	89998-01 -6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1%.	
CUCUMIS SATIVUS (CUCUMBER) FRUIT WATER	CUCUMIS SATIVUS (CUCUMBER) FRUIT WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CUCUMIS SATIVUS (CUCUMBER) JUICE	CUCUMIS SATIVUS (CUCUMBER) JUICE	8024-36- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CUCUMIS SATIVUS (CUCUMBER) SEED EXTRACT	CUCUMIS SATIVUS (CUCUMBER) SEED EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CUMINALDEHYDE	CUMINALDEHYDE	122-03-2	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.17% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.26% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.11% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CUMINALDEHYDE	CUMINALDEHYDE	122-03-2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.085 % Category 2) 0.025 % Category 3) 0.51 % Category 4) 0.47 % Category 5A) 0.12 % Category 5B) 0.12 % Category 5C) 0.12 % Category 5D) 0.12 % Category 6) 0.28 % Category 7A) 0.96 % Category 7B) 0.96 % Category 8) 0.050 % Category 9) 0.92 % Category 10A) 3.3 % Category 10B) 3.3 % Category 11A) 1.8 % Category 11B) 1.8 % Category 12) No Restriction	
CUMINOL	PISOPROPYLBENZYL ALCOHOL	536-60-7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.45 % Category 2) 0.14 % Category 3) 0.40 % Category 4) 2.5 % Category 5A) 0.64 % Category 5B) 0.64 % Category 5C) 0.64 % Category 5D) 0.21 % Category 6) 1.5 % Category 7A) 0.80 % Category 7B) 0.80 % Category 8) 0.21 % Category 9) 2.0 % Category 10A) 2.0 % Category 10B) 4.8 % Category 11A) 0.21 % Category 11B) 0.21 % Category 12) No Restriction	
CUMINUM CYMINUM (CUMIN) SEED EXTRACT	Cumin oil	84775-51 -9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.40 % Category 2) 0.40 % Category 3) 0.40 % Category 4) 0.40 % Category 5A) 0.40 % Category 5B) 0.40 % Category 5C) 0.40 % Category 5D) 0.40 % Category 6) 0.40 % Category 7A) no restriction Category 7B) 0.40 % Category 8) 0.40 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.40 % Category 11A) no restriction Category 11B) 0.40 % Category 12) no restriction	
CUMINUM CYMINUM (CUMIN) SEED EXTRACT	CUMINUM CYMINUM (CUMIN) SEED EXTRACT	84775-51 -9	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
CUMINUM CYMINUM (CUMIN) SEED EXTRACT	CUMINUM CYMINUM (CUMIN) SEED EXTRACT	84775-51 -9	The European Commission restricts this ingredient to a maximum concentration of 0.4% (as cumin oil) in leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CUMINUM CYMINUM (CUMIN) SEED EXTRACT	CUMINUM CYMINUM SEED POWDER	84775-51 -9	The European Commission restricts this ingredient to a maximum concentration of 0.4% (as cumin oil) in leaveon products.	
CUMINUM CYMINUM (CUMIN) SEED OIL	Cumin oil	8014-13- 9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.4% in leaveon products	
CUMINUM CYMINUM (CUMIN) SEED OIL	Cumin oil	8014-13- 9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.40 % Category 2) 0.40 % Category 3) 0.40 % Category 4) 0.40 % Category 5A) 0.40 % Category 5B) 0.40 % Category 5C) 0.40 % Category 5D) 0.40 % Category 6) 0.40 % Category 7A) no restriction Category 7B) 0.40 % Category 8) 0.40 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.40 % Category 11A) no restriction Category 11B) 0.40 % Category 12) no restriction	
CUMINUM CYMINUM (CUMIN) SEED OIL	Cumin oil	8014-13- 9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.40 % Category 2) 0.40 % Category 3) 0.40 % Category 4) 0.40 % Category 5A) 0.40 % Category 5B) 0.40 % Category 5C) 0.40 % Category 5D) 0.40 % Category 6) 0.40 % Category 7A) no restriction Category 7B) 0.40 % Category 8) 0.40 % Category 9) no restriction Category 10A) no restriction Category 10B) 0.40 % Category 11A) no restriction Category 11B) 0.40 % Category 12) no restriction	
CUMINUM CYMINUM (CUMIN) SEED OIL	CUMINUM CYMINUM (CUMIN) SEED OIL	8014-13- 9	The European Commission restricts this ingredient to a maximum concentration of 0.4% (as cumin oil) in leaveon products.	
CUMINUM CYMINUM SEED POWDER	CUMINUM CYMINUM SEED POWDER	0	The European Commission restricts this ingredient to a maximum concentration of 0.4% (as cumin oil) in leaveon products.	
CUPRESSUS SEMPERVIRENS	CUPRESSUS SEMPERVIRENS	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS	CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) CONE EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS	CUPRESSUS SEMPERVIRENS BARK EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS	CUPRESSUS SEMPERVIRENS FRUIT EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS	CUPRESSUS SEMPERVIRENS LEAF WATER	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS	CUPRESSUS SEMPERVIRENS SEED EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS	CYPRESS EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) CONE EXTRACT	CUPRESSUS SEMPERVIRENS	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) CONE EXTRACT	CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) CONE EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) CONE EXTRACT	CUPRESSUS SEMPERVIRENS FRUIT EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) CONE EXTRACT	CUPRESSUS SEMPERVIRENS SEED EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) CONE EXTRACT	CYPRESS EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) OIL	CUPRESSUS SEMPERVIRENS (ITALIAN CYPRESS) OIL	8013-86- 3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS BARK EXTRACT	CUPRESSUS SEMPERVIRENS BARK EXTRACT	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS FRUIT EXTRACT	CUPRESSUS SEMPERVIRENS FRUIT EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS LEAF WATER	CUPRESSUS SEMPERVIRENS LEAF WATER	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPRESSUS SEMPERVIRENS SEED EXTRACT	CUPRESSUS SEMPERVIRENS SEED EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CUPUASSUAMIDOPROPYL BETAINE	cupuassuamidopropyl betaine	657350-9 4-2	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
CURCUMA AMADA EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA AMADA RHIZOME EXTRACT	Eugenol, contact allergen for eczema products	92456-82 -1	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA AROMATICA (TUMERIC) ROOT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA AROMATICA LEAF EXTRACT	Eugenol, contact allergen for eczema products	94349-73 -2	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA HEYNEANA ROOT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CURCUMA HEYNEANA ROOT POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA LONGA (TURMERIC)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CURCUMA LONGA (TURMERIC) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA LONGA (TURMERIC) ROOT EXTRACT	Eugenol, contact allergen for eczema products	84775-52 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA LONGA (TURMERIC) ROOT POWDER	Eugenol, contact allergen for eczema products	84775-52 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA LONGA LEAF EXTRACT	Eugenol, contact allergen for eczema products	84775-52 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA LONGA ROOT WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA OIL	Eugenol, contact allergen for eczema products	8024-37- 1	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA XANTHORRHIZA ROOT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA ZEDOARIA	Eugenol, contact allergen for eczema products	84961-49 -9	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA ZEDOARIA ROOT OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA ZEDOARIA ROOT POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CURCUMA ZEDOARIA ROOT WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Curry Red (Uncertified FD&C Red No. 40)	CURRY RED/RED 40/RED 40 LAKE	25956-17 -6	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Curry Red (Uncertified FD&C Red No. 40)	FD&C Red 40	25956-17 -6	Due to their link to carcinogenicity, this substance must contain less than 100 ppm total unsulfonated primary aromatic amines, including aniline, 6methoxymtoluidine, and 1napthylamine.	
Curry Red (Uncertified FD&C Red No. 40)	FD&C RED NO. 40	25956-17 -6	This substance must contain <2ppm lead, <1ppm mercury, and <1ppm cadmium.	
Curry Red (Uncertified FD&C Red No. 40)	FD&C RED NO. 40	25956-17 -6	This substance may not be exposed to oxidizing or reducing agents that could affect the integrity of the color additives or any other condition that may affect their integrity, in accordance with FDA regulations.	
CUTANEOUS LYSATE	Cutaneous Lysate	0	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
CYAMOPSIS TETRAGONOLOBA (GUAR) GUM	Cyamopsis tetragonoloba	9000-30- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
CYAMOPSIS TETRAGONOLOBA (GUAR) GUM	Cyamopsis tetragonoloba (guar) gum	9000-30- 0	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1% in leaveon products and 5% in rinseoff products.	
CYANOACRYLATE	Cyanoacrylate	0	Health Canada requires manufacturers of adhesives used in the area of the eye for the application of false eyelashes to submit the following information: Description of training method; Submission of all training materials; Description of measures taken by notifying company to limit the sale and access of the product to qualified and trained individuals. Required Warning: Health Canada requires the following warning text on the product package/label: 'WARNING. BONDS SKIN INSTANTLY. AVOID CONTACT WITH EYES, MOUTH AND SKIN. KEEP AWAY FROM CHILDREN'; 'Eyelid bonding: consult a physician.'; 'Skin bonding: soak and ease apart gently'; 'Not for use in the area of the eye.'	
CYCLAMEN ALDEHYDE	CYCLAMEN ALDEHYDE	103-95-7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.17% in lip products, 0.22% in deodorants/antiperspirants, 0.89% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.67% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.28% in mouthwashes, breath sprays, and toothpastes, 0.45% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
CYCLAMEN ALDEHYDE	CYCLAMEN ALDEHYDE	103-95-7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11% Category 2) 0.14% Category 3) 0.038% Category 4) 0.95% Category 5A) 0.45% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.025% Category 6) 0.076% Category 7A) 0.23% Category 7B) 0.23% Category 8) 0.025% Category 9) 0.23% Category 10A) 0.23% Category 10B) 0.72% Category 11A) 0.025% Category 11B) 0.025% Category 12) 16%; Cyclamen aldehyde should not contain more than 1.5% of Cyclamen alcohol.	
CYCLODEXTRIN	CYCLODEXTRIN	7585-39- 9	The Cosmetic Ingredient Review found this substance	
CYCLODEXTRIN LAURATE	CYCLODEXTRIN LAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Cyclohexanemethanol, 2,4-dimethyl-	Cyclohexanemethanol, 2,4dimethyl	68480-15 -9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0013% Category 2) 0.39% Category 3) 0.0013% Category 4) 0.0013% Category 5A) 1.3% Category 5B) 0.0013% Category 5C) 0.0013% Category 5D) 0.00043% Category 6) 0.0013% Category 7A) 0.0013% Category 7B) 0.0013% Category 8) 0.00043% Category 9) 3.1% Category 10A) 3.1% Category 10B) 0.0013% Category 11A) 0.00043% Category 11B) 0.00043% Category 12) 0.0013%	
CYCLOPHENYLMETHICONE	CYCLOPHENYLMETHICON E	68037-54 -7	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CYCLOTETRAGLUCOSE	CYCLOTETRAGLUCOSE	159640-2 8-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CYCLOVINYLMETHICONE	CYCLOVINYLMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
CYLINDROTHECA FUSIFORMIS EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CYMBOPOGON (LEMON GRASS) FLOWER WATER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON (LEMON GRASS) FLOWER WATER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON (LEMON GRASS) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON (LEMON GRASS) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON (LEMON GRASS) OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON (LEMON GRASS) OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON (LEMON GRASS) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CYMBOPOGON (LEMON GRASS) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS (LEMONGRASS)	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS (LEMONGRASS)	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS (LEMONGRASS)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS (LEMONGRASS)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON CITRATUS LEAF EXTRACT OXIDIZED	Citral, contact allergen for eczema products	84238-19 -7	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS LEAF EXTRACT OXIDIZED	Farnesol, contact allergen for eczema products	84238-19 -7	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS LEAF EXTRACT OXIDIZED	Geraniol, contact allergen for eczema products	84238-19 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS LEAF EXTRACT OXIDIZED	Linalool, contact allergen for eczema products	84238-19 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS LEAF OIL	Citral, contact allergen for eczema products	89998-14 -1	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON CITRATUS LEAF OIL	Farnesol, contact allergen for eczema products	89998-14 -1	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS LEAF OIL	Geraniol, contact allergen for eczema products	89998-14 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON CITRATUS LEAF OIL	Linalool, contact allergen for eczema products	89998-14 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS LEAF POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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CYMBOPOGON CITRATUS LEAF POWDER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS LEAF POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON CITRATUS LEAF POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS (LEMONGRASS) POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS (LEMONGRASS) POWDER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON FLEXUOSUS (LEMONGRASS) POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS (LEMONGRASS) POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS HERB EXTRACT	Citral, contact allergen for eczema products	91844-92 -7	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS HERB EXTRACT	Farnesol, contact allergen for eczema products	91844-92 -7	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS HERB EXTRACT	Geraniol, contact allergen for eczema products	91844-92 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS HERB EXTRACT	Linalool, contact allergen for eczema products	91844-92 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS HERB OIL	Citral, contact allergen for eczema products	91844-92 -7	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON FLEXUOSUS HERB OIL	Farnesol, contact allergen for eczema products	91844-92 -7	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS HERB OIL	Geraniol, contact allergen for eczema products	91844-92 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CYMBOPOGON FLEXUOSUS HERB OIL	Linalool, contact allergen for eczema products	91844-92 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON FLEXUOSUS OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI (PALMAROSA)	Citral, contact allergen for eczema products	84649-81 -0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI (PALMAROSA)	Farnesol, contact allergen for eczema products	84649-81 -0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI (PALMAROSA)	Geraniol, contact allergen for eczema products	84649-81 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI (PALMAROSA)	Linalool, contact allergen for eczema products	84649-81 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI (PALMAROSA) EXTRACT	Citral, contact allergen for eczema products	92704-07 -9	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI (PALMAROSA) EXTRACT	Farnesol, contact allergen for eczema products	92704-07 -9	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON MARTINI (PALMAROSA) EXTRACT	Geraniol, contact allergen for eczema products	92704-07 -9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI (PALMAROSA) EXTRACT	Linalool, contact allergen for eczema products	92704-07 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI OIL	Citral, contact allergen for eczema products	8014-19- 5	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CYMBOPOGON MARTINI OIL	Farnesol, contact allergen for eczema products	8014-19- 5	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI OIL	Geraniol, contact allergen for eczema products	8014-19- 5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINI OIL	Linalool, contact allergen for eczema products	8014-19- 5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINII HERB EXTRACT FORMATE	Citral, contact allergen for eczema products	94266-45 -2	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINII HERB EXTRACT FORMATE	Farnesol, contact allergen for eczema products	94266-45 -2	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINII HERB EXTRACT FORMATE	Geraniol, contact allergen for eczema products	94266-45 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON MARTINII HERB EXTRACT FORMATE	Linalool, contact allergen for eczema products	94266-45 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS (CITRONELLA) OIL	Citronellol, contact allergen for eczema products	8000-29- 1	This ingredient contains Citronellol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS (CITRONELLA) OIL	Geraniol, contact allergen for eczema products	8000-29- 1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS HERB EXTRACT	Citral, contact allergen for eczema products	89998-15 -2	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS HERB EXTRACT	Farnesol, contact allergen for eczema products	89998-15 -2	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON NARDUS HERB EXTRACT	Geraniol, contact allergen for eczema products	89998-15 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON NARDUS HERB EXTRACT	Linalool, contact allergen for eczema products	89998-15 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS HERB EXTRACT/ACETONE	Citral, contact allergen for eczema products	94333-69 -4	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CYMBOPOGON NARDUS HERB EXTRACT/ACETONE	Farnesol, contact allergen for eczema products	94333-69 -4	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON NARDUS HERB EXTRACT/ACETONE	Geraniol, contact allergen for eczema products	94333-69 -4	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS HERB EXTRACT/ACETONE	Linalool, contact allergen for eczema products	94333-69 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS HERB OIL	Citral, contact allergen for eczema products	89998-15 -2	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS HERB OIL	Farnesol, contact allergen for eczema products	89998-15 -2	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS HERB OIL	Geraniol, contact allergen for eczema products	89998-15 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON NARDUS HERB OIL	Linalool, contact allergen for eczema products	89998-15 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS (LEMONGRASS) EXTRACT	Citral, contact allergen for eczema products	89998-16 -3	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS (LEMONGRASS) EXTRACT	Farnesol, contact allergen for eczema products	89998-16 -3	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS (LEMONGRASS) EXTRACT	Geraniol, contact allergen for eczema products	89998-16 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS (LEMONGRASS) EXTRACT	Linalool, contact allergen for eczema products	89998-16 -3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS (LEMONGRASS)	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS (LEMONGRASS)	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS (LEMONGRASS)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CYMBOPOGON SCHOENANTHUS (LEMONGRASS)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON SCHOENANTHUS LEAF	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS LEAF	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS LEAF	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS LEAF POWDER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS LEAF POWDER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS LEAF POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON SCHOENANTHUS LEAF POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON SCHOENANTHUS OIL	Citral, contact allergen for eczema products	8007-02- 1	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON SCHOENANTHUS OIL	Cymbopogon citratus / schoenanthus/ flexuosus oils	8007-02- 1	The presence of the substance or substances shall be indicated in the list of ingredients when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
CYMBOPOGON SCHOENANTHUS OIL	Farnesol, contact allergen for eczema products	8007-02- 1	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS OIL	Geraniol, contact allergen for eczema products	8007-02- 1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON SCHOENANTHUS OIL	Linalool, contact allergen for eczema products	8007-02- 1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CYMBOPOGON WINTERIANUS HERB EXTRACT	Citral, contact allergen for eczema products	91771-61- 8	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON WINTERIANUS HERB EXTRACT	Farnesol, contact allergen for eczema products	91771-61- 8	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS HERB EXTRACT	Geraniol, contact allergen for eczema products	91771-61- 8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS HERB EXTRACT	Linalool, contact allergen for eczema products	91771-61- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON WINTERIANUS HERB EXTRACT MODIFIED	Citral, contact allergen for eczema products	94349-74 -3	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS HERB EXTRACT MODIFIED	Farnesol, contact allergen for eczema products	94349-74 -3	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS HERB EXTRACT MODIFIED	Geraniol, contact allergen for eczema products	94349-74 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
CYMBOPOGON WINTERIANUS HERB EXTRACT MODIFIED	Linalool, contact allergen for eczema products	94349-74 -3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS HERB OIL	Citral, contact allergen for eczema products	91771-61- 8	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS HERB OIL	Farnesol, contact allergen for eczema products	91771-61- 8	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS HERB OIL	Geraniol, contact allergen for eczema products	91771-61- 8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS HERB OIL	Linalool, contact allergen for eczema products	91771-61- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
CYMBOPOGON WINTERIANUS OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYMBOPOGON WINTERIANUS OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
CYPRESS EXTRACT	CYPRESS EXTRACT	84696-07 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
CYSTEINE	CYSTEINE	4371-52- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CYSTEINE HCL	CYSTEINE HCL	32443-99 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CYSTINE	CYSTINE	56-89-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CYSTOSEIRA AMENTACEA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CYSTOSEIRA AMENTACEA/CAESPITOSA BRANCHYCARPA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CYSTOSEIRA AMENTACEA/CAESPITOSA BRANCHYCARPA EXTRACT	CYSTOSEIRA AMENTACEA/CAESPITOSA BRANCHYCARPA EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CYSTOSEIRA TAMARISCIFOLIA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CYSTOSEIRA TAMARISCIFOLIA EXTRACT	CYSTOSEIRA TAMARISCIFOLIA EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
CYSTOSEIRA TAMARISIFOLIA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
CYTOCHROME C	Cytochrome C	9007-43- 6	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
d-allo-OCIMENOL	DALLOOCIMENOL	126-91-0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
d-allo-OCIMENOL	Linalool; dLinalool; lLinalool	126-91-0	The International Fragrance Association restricts the total peroxide content (in the final product) to a maximum concentration of 20 millimoles peroxides per liter.	
d-alpha-PINENE	DALPHAPINENE	7785-70- 8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
d-Carvone	CARVONE	2244-16- 8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.08% in lip products, 0.1% in deodorants/antiperspirants, 0.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.9% in mouthwashes, breath sprays, and toothpastes, 0.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
d-Carvone	CARVONE	2244-16- 8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.20% Category 2) 0.060% Category 3) 0.020% Category 4) 0.59% Category 5A) 0.20% Category 5B) 0.039% Category 5C) 0.059% Category 5D) 0.013% Category 6) 0.66% Category 7A) 0.039% Category 7B) 0.039% Category 8) 0.013% Category 9) 0.18% Category 10A) 0.18% Category 10B) 0.43% Category 11A) 0.013% Category 11B) 0.013% Category 12) 17%	
d-Carvone	Contact allergens for eczema products	2244-16- 8	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact alleraen and may not be used in OTC eczema products.	х
D-GLUCO-D-MANNAN	D-GLUCO-D-MANNAN	11078-31- 2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 17%.	
D-GLUCONIC ACID, ALUMINUM SALT (3:1)	Aluminum Compounds	60007-93 -4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
d-Limonene	dLimonene	5989-27- 5	The European Commission restricts this ingredient's peroxide content to less than 20 mmoles/L. Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
D-PSICOSE	D-PSICOSE	551-68-8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
d,I-Menthol (isomer unspecified)	Menthol; dl-menthol; l-menthol; d-menthol	1490-04- 6	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
D&C Black No. 2 (CI 77266)	Carbon black	1333-86- 4	The European Commission restricts the nano version of this ingredient to a maximum concentration of 10%. Not to be used in applications that may lead to exposure of the end user's lungs by inhalation	
D&C Black No. 2 (CI 77266)	Carbon black	1333-86- 4	The European Commission restricts the nano version of this ingredient to a maximum concentration of 10%. Additionally, the nano version of this ingredient may not be used in applications that may lead to exposure of the enduser's lungs by inhalation. The ingredient must also have: Purity > 97 %, with the following impurity profile: Ash content , < 0.15 %, total sulphur , < 0.65 %, total PAH , < 500 ppb and benzo(a)pyrene , < 5 ppb, dibenz(a,h)anthracene , < 5 ppb, total arsenic , < 3 ppm, total lead , < 10 ppm, and total mercury , < 1 ppm. The nano version of this ingredient must also have a particle size greater than or equal to 20 nm.	
D&C Black No. 2 (CI 77266)	D&C Black No. 2	1333-86- 4	The U.S. Food and Drug Administration restricts the lead, arsenic, mercury, polycyclic aromatic hydrocarbons, benzo[a]pyrene, and dibenz[a,h]anthracene contents of this ingredient to maximum concentrations of 10 ppm, 3 ppm, 1 ppm, 500 ppb, 5 ppb, and 5 ppb, respectively.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
D&C Black No. 2 (CI 77266)	D&C Black No. 2 (CI 77266)	1333-86- 4	Per COSING, the maximum concentration in RTU preparation is 10%. Not to be used in applications that may lead to exposure of the end user's lungs by inhalation. Only nanomaterials having the following characteristics are allowed: Purity > 97 %, with the following impurity profile: Ash content less than or equal to 0.15%, total sulphur less than or equal to 0.65%, total PAH less than or equal to 500 ppb and benzo(a)pyrene less than or equal to 5 ppb, dibenz(a,h)anthracene less than or equal to 5 ppb, total arsenic less than or equal to 3 ppm, total Pb less than or equal to 10 ppm, and total Hg less than or equal to 1 ppm; Primary particle size greater than or equal to 20 nm.	
D&C GREEN NO. 5 (CI 61570)	Secondary and Tertiary Aromatic Amines (Aniline)	4403-90- 1	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
D&C GREEN NO. 5 (CI 61570)	Secondary and Tertiary Aromatic Amines (Nitrosamine)	4403-90- 1	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
D&C Green No. 5 (CI 61570) Lake	Secondary and Tertiary Aromatic Amines (Aniline)	4403-90- 1	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
D&C Green No. 5 (CI 61570) Lake	Secondary and Tertiary Aromatic Amines (Nitrosamine)	4403-90- 1	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
D&C Green No. 6 (CI 61565)	Secondary and Tertiary Aromatic Amines (Aniline)	128-80-3	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
D&C Green No. 6 (CI 61565)	Secondary and Tertiary Aromatic Amines (Nitrosamine)	128-80-3	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	х
D&C Green No. 8 (CI 59040)	Color additives subject to batch certification	6358-69- 6	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Green No. 8 (CI 59040)	D&C Green 8	6358-69- 6	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Green No. 8 (CI 59040)	D&C Green No. 8	6358-69- 6	The FDA requires this ingredients be used at less than 0.01%	
D&C Green No. 8 (CI 59040)	D&C Green No. 8 (CI 59040)	6358-69- 6	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Green No. 8 (CI 59040)	Trisodium 8hydroxypyrene1,3,6trisulp honate	6358-69- 6	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
D&C Orange No. 4 (CI 15510)	Color additives subject to batch certification	633-96-5	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Orange No. 4 (CI 15510)	D&C Orange no 4	633-96-5	This substance must contain <0.06% 2naphthol and <0.12% sodium sulfanilate.	
D&C Orange No. 4 (CI 15510)	D&C Orange No. 4	633-96-5	The European Commission prohibits use of this substance in eye products.	
D&C Orange No. 4 (CI 15510)	D&C Orange No. 4 (CI 15510)	633-96-5	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Orange No. 4 (CI 15510)	D&C Orange No. 4 (CI 15510)	633-96-5	Per COSING, prohibited for use in eye products.	
D&C Orange No. 4 (CI 15510) Lake	Color additives subject to batch certification	0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
D&C Orange No. 4 (CI 15510) Lake	D&C Orange no 4	0	This substance must contain <0.06% 2naphthol and <0.12% sodium sulfanilate.	
D&C Orange No. 4 (CI 15510) Lake	D&C Orange No. 4	0	The European Commission prohibits use of this substance in eye products.	
D&C Orange No. 4 (CI 15510) Lake	D&C Orange No. 4 (CI 15510) Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Red No. 17 (CI 26100)	1(4(Phenylazo)phenylazo)2 naphthol	85-86-9	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
D&C Red No. 17 (CI 26100)	Color additives subject to batch certification	85-86-9	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Red No. 17 (CI 26100)	D&C Red No. 17	85-86-9	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Red No. 17 (CI 26100)	D&C Red No. 17	85-86-9	The EU prohibits this substance in products applied to mucous membranes.	
D&C Red No. 17 (CI 26100)	D&C Red No. 17	85-86-9	This substance may not contain detectable levels of paraphenylenediamine (PPD; pphenylenediamine).	
D&C Red No. 17 (CI 26100)	D&C Red No. 17 (CI 26100)	85-86-9	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Red No. 17 (CI 26100)	D&C Red No. 17 (CI 26100)	85-86-9	Per COSING, this ingredient shall conform to the purity criteria: anilin less than or equal to 0.2%, 2-naphthol less than or equalt to 0.2%, 4-aminoazobenzene less than or equal to 0.1%, 1-(phenylazo)-2-naphthol less than or equal to 3%, 1-[2-(phenylazo)phenylazo]-2-naphthalenol less than or equal to 2%. Prohibited for use in products applied on mucous membranes.	
D&C Red No. 17 (CI 26100) Calcium Lake	Color additives subject to batch certification	85-86-9	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Red No. 17 (CI 26100) Calcium Lake	D&C Red No. 17	85-86-9	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Red No. 17 (CI 26100) Calcium Lake	D&C Red No. 17	85-86-9	The EU prohibits this substance in products applied to mucous membranes.	
D&C Red No. 17 (CI 26100) Calcium Lake	D&C Red No. 17	85-86-9	This substance may not contain detectable levels of paraphenylenediamine (PPD; pphenylenediamine).	
D&C Red No. 17 (CI 26100) Calcium Lake	D&C Red No. 17 (CI 26100) Calcium Lake	85-86-9	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Red No. 31 (CI 15800)	Brilliant Lake Red R	6371-76-2	This substance may not contain detectable levels of Sudan I (CI Solvent Yellow 14; 1phenylazo2naphthol).	
D&C Red No. 31 (CI 15800)	Calcium bis[3hydroxy4(phenylazo)2 naphthoate]	6371-76-2	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
D&C Red No. 31 (CI 15800)	Color additives subject to batch certification	6371-76-2	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Red No. 31 (CI 15800)	D&C Red No. 31	6371-76-2	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Red No. 31 (CI 15800)	D&C Red No. 31 (CI 15800)	6371-76-2	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Red No. 31 (CI 15800)	D&C Red No. 31 (CI 15800)	6371-76-2	Per COSING, prohibited for use in products applied on mucous membranes.	
D&C Red No. 31 (CI 15800) Lake	Brilliant Lake Red R	0	This substance may not contain detectable levels of Sudan I (CI Solvent Yellow 14; 1phenylazo2naphthol).	
D&C Red No. 31 (CI 15800) Lake	Color additives subject to batch certification	0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Red No. 31 (CI 15800) Lake	D&C Red No. 31	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Red No. 31 (CI 15800) Lake	D&C Red No. 31 (CI 15800) Lake	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
D&C Red No. 34 (CI 15880)	Color additives subject to batch certification	6417-83- 0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Red No. 34 (CI 15880)	D&C Red No. 34	6417-83- 0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Red No. 34 (CI 15880)	D&C Red No. 34 (CI 15880)	6417-83- 0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Red No. 34 (CI 15880) Calcium Lake	Color additives subject to batch certification	6417-83- 0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Red No. 34 (CI 15880) Calcium Lake	D&C Red No. 34	6417-83- 0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Red No. 34 (CI 15880) Calcium Lake	D&C Red No. 34 (CI 15880) Calcium Lake	6417-83- 0	This substance is not allowed for use in products used in the eve area, as defined by the U.S. FDA.	
D&C Red No. 34 (CI 15880) Lake	Color additives subject to batch certification	0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Red No. 34 (CI 15880) Lake	D&C Red No. 34	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Red No. 34 (CI 15880) Lake	D&C Red No. 34 (CI 15880) Lake	0	This substance is not allowed for use in products used in the eve area, as defined by the U.S. FDA.	
D&C Yellow No. 10 (CI 47005)	1H-Indene-1,3(2H)-dione, 2-(2-quinolinyl)-, sulfonated, sodium salts (CI 47005)	8004-92- 0	The European Comission restricts this ingredient to a maximum concentration of 0.5% in non-oxidative hair dye products	
D&C Yellow No. 10 (CI 47005)	Color additives subject to batch certification	8004-92- 0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Yellow No. 10 (CI 47005)	D&C Yellow No. 10	8004-92- 0	This substance must contain <2ppm lead, <1ppm cadmium, <50ppm zinc, and <0.01% aniline.	
D&C Yellow No. 10 (CI 47005)	D&C Yellow No. 10 (CI 47005)	8004-92- 0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Yellow No. 10 (CI 47005)	D&C Yellow No. 10 (CI 47005)	8004-92- 0	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 104)	
D&C Yellow No. 10 (CI 47005) Lake	Color additives subject to batch certification	68814-04 -0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Yellow No. 10 (CI 47005) Lake	D&C Yellow No. 10	68814-04 -0	This substance must contain <2ppm lead, <1ppm cadmium, <50ppm zinc, and <0.01% aniline.	
D&C Yellow No. 10 (CI 47005) Lake	D&C Yellow No. 10 (CI 47005) Lake	68814-04 -0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Yellow No. 11 (CI 47000)	1,3Isobenzofurandione, reaction products with methylquinoline and quinoline	8003-22- 3	(*) The European Commission prohibits the use of this ingredient in products applied to mucous membranes.	
D&C Yellow No. 11 (CI 47000)	Color additives subject to batch certification	8003-22- 3	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
D&C Yellow No. 11 (CI 47000)	D&C Yellow No. 11	8003-22- 3	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Yellow No. 11 (CI 47000)	D&C Yellow No. 11	8003-22- 3	The EU prohibits this substance in products applied to mucous membranes.	
D&C Yellow No. 11 (CI 47000)	D&C Yellow No. 11 (CI 47000)	8003-22- 3	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
D&C Yellow No. 11 (CI 47000)	D&C Yellow No. 11 (CI 47000)	8003-22- 3	Per COSING, prohibited for use in products applied on mucous membranes.	
D&C Yellow No. 11 (CI 47000) Lake	Color additives subject to batch certification	1325-37-7	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
D&C Yellow No. 11 (CI 47000) Lake	D&C Yellow No. 11	1325-37-7	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
D&C Yellow No. 11 (CI 47000) Lake	D&C Yellow No. 11	1325-37-7	The EU prohibits this substance in products applied to mucous membranes.	
D&C Yellow No. 11 (CI 47000) Lake	D&C Yellow No. 11 (CI 47000) Lake	1325-37-7	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
DAVANA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
DAWSONITE	Aluminum Compounds	12011-76- 6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
DEA PG-PROPYL PEG/PPG-18/21 DIMETHICONE	DEA PGPROPYL PEG/PPG18/21 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-CETEARETH-2 PHOSPHATE	DEACETEARETH2 PHOSPHATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-LAURETH SULFATE	DEALAURETH SULFATE	58855-36 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-OLETH-10 PHOSPHATE	DEAOLETH10 PHOSPHATE	58855-63 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-OLETH-10 PHOSPHATE	DEAOLETH20 PHOSPHATE	58855-63 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-OLETH-10 PHOSPHATE	DEAOLETH3 PHOSPHATE	58855-63 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-OLETH-10 PHOSPHATE	DEAOLETH5 PHOSPHATE	58855-63 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-OLETH-20 PHOSPHATE	DEAOLETH20 PHOSPHATE	58855-63 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-OLETH-3 PHOSPHATE	DEAOLETH3 PHOSPHATE	58855-63 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DEA-OLETH-5 PHOSPHATE	DEAOLETH5 PHOSPHATE	58855-63 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-PEG-4 LAURATE	DEAPEG4 LAURATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-POLYPERFLUOROETHO XYMETHOXY PEG-2 PHOSPHATE	DEAPOLYPERFLUOROETHO XYMETHOXY PEG2 PHOSPHATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEA-STEARATE	DEA-STEARATE	2717-16-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DEAD SEA MINERALS	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
DECANAMIDE, N,N-DIMETHYL-	DECANAMIDE, N,NDIMETHYL	14433-76 -2	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
Decanol alkoxylate	Decanol Alkoxylate	166736-0 8-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECENE/BUTENE COPOLYMER	DECENE/BUTENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DECETH-10	DECETH10	26183-52 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-3	DECETH3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-4	DECETH4	5703-94- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-4 PHOSPHATE	Deceth4 Phosphate	52019-36 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DECETH-4 PHOSPHATE	Deceth6 Phosphate	52019-36 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-5	DECETH10	26183-52 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-5	DECETH5	26183-52 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-5	DECETH8	26183-52 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-6	DECETH6	5168-89- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-6 PHOSPHATE	Deceth6 Phosphate	52019-36 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-7	DECETH7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-7 CARBOXYLIC ACID	Deceth7 Carboxylic Acid	38815-93 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-7 CARBOXYLIC ACID	Sodium Deceth2 Carboxylate	38815-93 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-7 GLUCOSIDE	Deceth7 Glucoside	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECETH-8	DECETH8	26183-52 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

DECETH-9     DECETH9     0     The U.S. Food & Drug Administration has identified traditional transmission in the inspection input in the inspection and recommends that manufacturers utilize vacuum aritipping of the end of the polymerization process.       DECETH-9 PHOSPHATE     Decert/9 Phosphore     0     Note U.S. Food & Drug Administration hos identified L4dioxnee as optential imput in the ingredient and recommends that manufacturers utilize vacuum aritipping of the end of the polymerization process.       DECYL BETAINE     244-45:     The C.S. Proceed Software and the inspected concentrations of 14 dioxnee based on this infinitie vacuum aritipping of the end of the polymerization process.       DECYL BETAINE     244-45:     The C.S. Proceed Software and the reported concentrations of use when formulated to be nonirritating up to a concentration of 34 dioxnee downee and potential impurity in this ingredient and recommends that manufacturers utilize vacuum aritipping of the end of the polymerization process.       DECYL GLUCOSIDE     Decyl Glucoside     5454-23     This substance is soft as used up when formulated to be nonirritating up to a concentration of 34.400000000000000000000000000000000000	EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DECETH-9 PHOSPHATE     Decemb Phosphote     0     The U.S. Food & Drug Administration has identified 1.4dioxane as optoential impurity in his ingredient and recommends that manufacturers utilize vacuum stripping at the earl of the polymerization process. Based on this finding, the concentration of 1.4 dioxane as the output of the optimization of the substance is a substance when formulated to be non-intrinting.       DECYL GLUCOSIDE     Decyl Glucoside     5454-9.2 5549-25     The CLR panel concluded this substance is as used up when formulated to be non-intrinting.       DECYL GLUCOSIDE     Decyl Glucoside     5454-9.2 5549-25     The SLR panel concluded this substance is as used up when formulated to be non-intrinting up to a concentration of 33%.       DECYL GLUCOSIDE     Decyl Glucoside     5454-9.2 5549-25     This substance is as used up to a concentration of 33%.       DECYL TETRADECETH-30     DECYLTETRADECETH30     0     The U.S. Food S Drug Administration has identified up when formulated to be non-intrinton of 1.4 dioxane concentration of 33%.       DEHYDRO XANTHAN GUM     DEHYDRO XANTHAN GUM     0     The Cosmetic Ingredient Review found this substance was sofe as used of the reported concentration of 0.2%.       DEHYDROACETIC ACID     DEHYDROACETIC ACID     DEHYDROACETIC ACID     1807-48     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.       DELYDROACETIC ACID     Dehydroacetic cid and dehydroacetic cid and de	DECETH-9	DECETH9	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECYL BETAINE     2644-45 S     The Cosmetic Ingredient Review found this substance was store as used at the reported concentrations of use when formulated to be non-irritating.       DECYL GLUCOSIDE     Decyl Glucoside     54549-25 -0     The CIS ponel concluded this substance is sofe as used up when formulated to be non-irritating up to a concentration of 35%.       DECYL GLUCOSIDE     Decyl Glucoside     54549-25 -0     This substance must contain c500 ppm megnesium oxide, 13 for early double, and a 3 % sulfate ash.       DECYLTETRADECETH-30     DECYLTETRADECETH30     0     The U.S. Food & Drug Administration hos Identified 1,4 dioxame as a potential impurity in this ingredient and recommends that manufactures upident and delydroacetate       DEHYDRO XANTHAN GUM     0     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEHYDRO ACETIC ACID     DEHYDROACETIC ACID     1680-748 -0     The Cosmetic Ingredient Review hos determined that this ingredient is adra sused up to a concentration of 0.7%.       DEHYDROACETIC ACID     Dehydroacetic acid and dehydroacetic acid     1680-748 -0     The Gosmetic Ingredient Review has determined that this ingredient is adra sused up to a concentration of 0.7%.       DEHYDROACETIC ACID     Dehydroacetic acid     1680-748 -0     The Jopanese Ministry of Health, Labour and Welfare restricts this ingredient Review hos determined that this ingredient sofe as used up to a concentration of 0.7%.	DECETH-9 PHOSPHATE	Deceth9 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DECYL GLUCOSIDE     Decyl Glucoside     54549-25     This Like panel concluded this substance is safe as used up, when formulated to be nonirritating up to a concentration of 35%.       DECYL GLUCOSIDE     Decyl Glucoside     54549-25     This substance must contain -500 ppm magnesium oxide, c1 % free farty alcohol, and c3 % sulfate ash.       DECYLTETRADECETH-30     DECYLTETRADECETH30     0     The U.S. Food & Drug Administration has identified 1.4dioxane as a potential impurity in this ingredient and recommends that manutacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1.4 dioxane connot exceed 1 ppm in the final product.       DEHYDROACETTAE     Dehydroacetic acid and dehydroacetate     0     The LS pometic Ingredient Review Houd this substance was safe as used at the reported concentration of 0.7%.       DEHYDROACETTC ACID     DEHYDROACETTC ACID     14807-48     The Cosmetic Ingredient Review hos determined that this ingredient is acle as used up to a concentration of 0.7%.       Dehydroacetic Acid     DEHYDROACETTC ACID     520-45-6     The Supanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.7%.       DELATOCOPHEROLS     TOCOPHERYL ACETATE     0     This ingredient to a downamum of 0.7%.       DENATONIUM BENZOATE     Benzoate     3734-35     The Supanese Ministry of Health, Labour and Welfare restricts this ingredient is acle as used up to a concent	DECYL BETAINE	DECYL BETAINE	2644-45- 3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DECYL GLUCOSIDE     Decyl Glucoside     54549-25     This substance must contain 300 ppm magnesium       DECYLTETRADECETH-30     DECYLTETRADECETH50     0     The U.S. Food & Drug Administration has identified       1,4dioxane as a potential impurity in this ingredient and recommends that manufactures utilize vacuum stripping at the end of the polymerization process.     Board of the polymerization process.       DEHYDRO XANTHAN GUM     DEHYDRO XANTHAN GUM     0     The Cosmetic Ingredient Review found this substance was after a sued of the reported concentration of 1,4 dioxane connot exceed 1 ppm in the final product.       DEHYDROACETIC ACID     Dehydroacetic acid and d	DECYL GLUCOSIDE	Decyl Glucoside	54549-25 -6	The CIR panel concluded this substance is safe as used up when formulated to be nonirritating up to a concentration of 33%.	
DECYLTETRADECETH-30     DECYLTETRADECETH30     0     The U.S. Food & Drug Administration has identified injuryity in this ingredient and recommends that manufactures utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane account sected 1 ppm in the final product.       DEHYDRO XANTHAN GUM     DEHYDRO XANTHAN GUM     0     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEHYDROACETATE     Dehydroacetate     0     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.       DEHYDROACETIC ACID     DEHYDROACETIC ACID     520-45-0     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.       DEHYDROACETIC ACID     Dehydroacetic acid and dehydroacetate     0     The isognese Ministry of Health, Labour and Welfare restricts this ingredient should not contain detectable levels of hydroacetate       DENATONIUM BENZOATE     Denotonium benzoate     3734-33     The Cosmetic Ingredient Review has determined that this ingredient should not contain detectable levels of hydroacetic acid and 4 dehydroacetate     3734-33       DENATONIUM BENZOATE     Denotonium benzoate     3734-33     The Cosmetic Ingredient Review has determined that this ingredient should not contain detectable levels of hydroacetae product.       DEXTRAN     DEXTRAN     S82	DECYL GLUCOSIDE	Decyl Glucoside	54549-25 -6	This substance must contain <500 ppm magnesium oxide, <1 % free fatty alcohol, and <3 % sulfate ash.	
DEHYDRO XANTHAN GUM     DEHYDRO XANTHAN GUM     0     The Cosmetic Ingredient Review found this substance was sofe as used at the reported concentrations of use.       DEHYDROACETATE     Dehydroacetic acid and dehydroacetate     0     The Japanese Ministry of Health, Labour and Welfare restricts this ingredient is safe as used up to a concentration of 0.5%.       DEHYDROACETIC ACID     DEHYDROACETIC ACID     16807-48     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.       DeHYDROACETIC ACID     Dehydroacetic acid and dehydroacetate     16807-48     The Japanese Ministry of Health, Labour and Welfare restricts this ingredient is safe as used up to a concentration of 0.5%.       DELTA TOCOPHEROLS     TOCOPHERYL ACETATE     0     This ingredient should not contain detectable levels of hydroquinone.       DENATONIUM BENZOATE     Denotonium benzoate     3734-33-     6     The Cosmetic Ingredient Review has determined that this ingredient is soft as used up to a concentration of 0.5%.       DEXTRAN     DEXTRAN     9004-54     The Cosmetic Ingredient Review has determined that this ingredient should not contain detectable levels of hydroquinone.       DEXTRAN     DEXTRAN     9004-54     The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.       DEXTRAN     DEXTRAN     9004-54     The Cosmet	DECYLTETRADECETH-30	DECYLTETRADECETH30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DEHYDROACETATE     Dehydroacetic acid and dehydroacetate     0     The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5%.       DEHYDROACETIC ACID     DEHYDROACETIC ACID     16807-48 this ingredient is safe as used up to a concentration of 0.7%.       Dehydroacetic Acid     DEHYDROACETIC ACID     520-45-5     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.       DEHYDROACETIC ACID     Dehydroacetic acid and dehydroacetate     16807-48 the Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5%.       DELTA TOCOPHEROLS     TOCOPHERYL ACETATE     0     This ingredient should not contain detectable levels of hydroquinone.       DENATONIUM BENZOATE     Benzoate     3734-33- 6     The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 18 in the finished product.       DEXTRAN     DEXTRAN     9004-54- 0     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1/16 woirdupois ounce per 100 gal clochol.       DEXTRAN     DEXTRAN     83855-70     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEXTRAN     DEXTRAN     904-54- 9     The Cosmetic Ingredient Review found this substance was safe as used	DEHYDRO XANTHAN GUM	DEHYDRO XANTHAN GUM	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DEHYDROACETIC ACID     DEHYDROACETIC ACID     16807-48     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.       Dehydroacetic Acid     DEHYDROACETIC ACID     520-45-6     The Cosmetic Ingredient is safe as used up to a concentration of 0.7%.       DEHYDROACETIC ACID     Dehydroacetic acid and dehydroacetate     16807-48     The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.7%.       DELTA TOCOPHEROLS     TOCOPHERYL ACETATE     0     This ingredient should not contain detectable levels of hydroquinone.       DENATONIUM BENZOATE     Benzoate     3734-35     The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration of a maximum of 15% in the finished product.       DENATONIUM BENZOATE     Denatonium benzoate     3734-35     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1/16 avoirdupois ounce per 100 gal alcohol.       DEXTRAN     DEXTRAN     9004-54     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       MCHLORIDE     IUM CHLORIDE     9042-14     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentration of 43%.       DEXTRAN     DEXTRIN SULFATE     9042-14     The Cosmetic Ingredient Review fo	DEHYDROACETATE	Dehydroacetic acid and dehydroacetate	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5%.	
Dehydroacetic Acid     DEHYDROACETIC ACID     520-45-6     The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.       DEHYDROACETIC ACID     Dehydroacetic acid and dehydroacetate     16807-48     The Japanese Ministry of Health, Labour and Welfare or restricts this ingredient to a maximum concentration of 0.5%.       DELTA TOCOPHEROLS     TOCOPHERYL ACETATE     0     This ingredient should not contain detectable levels of hydroquinone.       DENATONIUM BENZOATE     Benzoate     3734-33- 6     The Japanese Ministry of Health, Labour and Welfare 6       DENATONIUM BENZOATE     Denatonium benzoate     3734-33- 6     The Japanese Ministry of Health, Labour and Welfare 6       DENATONIUM BENZOATE     Denatonium benzoate     3734-33- 6     The Japanese Ministry of Health, Labour and Welfare 6       DEXTRAN     DEXTRAN     DEXTRAN     9004-54- this ingredient Review found this substance was safe as used up to a concentration of 0.2%.       DEXTRAN     DEXTRAN     DEXTRAN     83855-79       M CHLORIDE     DEXTRAN SULFATE     9042-14- 9042-14-       DEXTRAN SULFATE     DEXTRAN SULFATE     9042-54- was safe as used at the reported concentrations of use.       DEXTRIN     DEXTRAN SULFATE     9042-14- was safe as used at the reported concentrations of use.	DEHYDROACETIC ACID	DEHYDROACETIC ACID	16807-48 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.	
DEHYDROACETIC ACID     Dehydroacetic acid and dehydroacetate     16807-48     The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5%.       DELTA TOCOPHEROLS     TOCOPHERYL ACETATE     0     This ingredient should not contain detectable levels of hydroquinone.       DENATONIUM BENZOATE     Benzoate     3734-33- 6     The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.       DENATONIUM BENZOATE     Denotonium benzoate     3734-33- 6     The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.       DEXTRAN     Denotonium benzoate     3734-35- 6     The Cosmetic Ingredient Review houd this substance was safe as used up to a concentration of 0.2%.       DEXTRAN     DEXTRAN     9004-54- 1UM CHLORIDE     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEXTRAN     DEXTRIN     9042-14- 2     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEXTRIN     DEXTRIN     904-55- 4-3%.     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEXTRIN     DEXTRIN BEHENATE     112444-7 4-3     The Cosmetic Ingredient Review	Dehydroacetic Acid	DEHYDROACETIC ACID	520-45-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.	
DELTA TOCOPHEROLS     TOCOPHERYL ACETATE     0     This ingredient should not contain detectable levels of hydroquinone.       DENATONIUM BENZOATE     Benzoate     3734-33- 6     The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.       DENATONIUM BENZOATE     Denatonium benzoate     3734-33- 6     The Cosmetic Ingredient Review has determined that this ingredient is sofe as used up to a concentration of 1/16 avoirdupois ounce per 100 gal alcohol.       DEXTRAN     DEXTRAN     DEXTRAN     9004-54- 0     The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.       DEXTRAN     DEXTRAN     DEXTRAN     NTACONYPROPYLTRIMON HYDROXYPROPYLTRIMONIU     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEXTRAN     DEXTRAN SULFATE     042-14- 2     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of 43%.       DEXTRIN     DEXTRIN BEHENATE     112444-7     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEXTRIN MYRISTATE     DEXTRIN MYRISTATE     93792-77     The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.       DEXTRIN PALMITATE     DEXTRIN PALMITATE	DEHYDROACETIC ACID	Dehydroacetic acid and dehydroacetate	16807-48 -0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5%.	
DENATONIUM BENZOATE   Benzoate   3734-33- 6   The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.     DENATONIUM BENZOATE   Denatonium benzoate   3734-33- 6   The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1/16 avoirdupois ounce per 100 gal alcohol.     DEXTRAN   DEXTRAN   9004-54- 0   The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.     DEXTRAN   DEXTRAN   BYDROXYPROPYLTRIMONIU HYDROXYPROPYLTRIMONIU M CHLORIDE   PUALORIDE     DEXTRAN   DEXTRAN   VDROXYPROPYLTRIMONION IUM CHLORIDE   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN   DEXTRIN   9004-53- 9   The Cosmetic Ingredient Review found this substance was safe as used at the maximum concentration of 4.3%.     DEXTRIN BEHENATE   DEXTRIN BEHENATE   112444-7   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN LAURATE   DEXTRIN LAURATE   79748-56 9   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN MYRISTATE   DEXTRIN MYRISTATE   93792-77- 9   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use. </td <td>DELTA TOCOPHEROLS</td> <td>TOCOPHERYL ACETATE</td> <td>0</td> <td>This ingredient should not contain detectable levels of hydroquinone.</td> <td></td>	DELTA TOCOPHEROLS	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
DENATONIUM BENZOATEDenatonium benzoate3734-33- 6The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1/16 avoirdupois ounce per 100 gal alcohol.DEXTRANDEXTRAN9004-54- 0The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.DEXTRANDEXTRANBEXTRAN83855-79 -2M CHLORIDEIUM CHLORIDEUM CHLORIDEvas safe as used at the reported concentrations of use.DEXTRANDEXTRAN SULFATE9042-14- 2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN9004-53- 9The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN BEHENATE112444-7 4-3The Cosmetic Ingredient Review found this substance was safe as used at the maximum concentration of 43%.DEXTRIN LAURATEDEXTRIN LAURATE112444-7 97748-56The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN MYRISTATEDEXTRIN MYRISTATE93792-77- 9The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN PALMITATEDEXTRIN PALMITATE83271-10- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN PALMITATEDEXTRIN PALMITATE/ETHYLHEXAN 72-2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use. </td <td>DENATONIUM BENZOATE</td> <td>Benzoate</td> <td>3734-33- 6</td> <td>The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.</td> <td></td>	DENATONIUM BENZOATE	Benzoate	3734-33- 6	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
DEXTRANDEXTRAN9004-54- 0The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.DEXTRANDEXTRAN8385-79The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.MCHLORIDEIUM CHLORIDE9042-14- 2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRAN SULFATEDEXTRAN SULFATE9042-14- 2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN9004-53- 9The Cosmetic Ingredient Review found this substance was safe as used at the maximum concentration of 43%.DEXTRIN BEHENATEDEXTRIN BEHENATE112444-7 4-3The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN LAURATEDEXTRIN LAURATE79748-56 4-3The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN MYRISTATEDEXTRIN MYRISTATE93792-77- 9The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN PALMITATEDEXTRIN PALMITATE83271-10- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN183387-5 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN PALMITATEDEXTRIN PALMITATE183387-5 7The Cosmetic Ingredient R	DENATONIUM BENZOATE	Denatonium benzoate	3734-33- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1/16 avoirdupois ounce per 100 gal alcohol.	
DEXTRAN HYDROXYPROPYLTRIMONIU M CHLORIDEDEXTRAN HYDROXYPROPYLTRIMONIU IUM CHLORIDE83855-79 HYDROXYPROPYLTRIMON -2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRAN SULFATEDEXTRAN SULFATE9042-14- 2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN9004-53- 9The Cosmetic Ingredient Review found this substance was safe as used at the maximum concentration of 43%.DEXTRIN BEHENATEDEXTRIN BEHENATE112444-7 4-3The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN LAURATEDEXTRIN LAURATE112444-7 4-3The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN LAURATEDEXTRIN LAURATE93792-77- 93792-77-The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN PALMITATEDEXTRIN PALMITATE83271-10- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRINDEXTRIN PALMITATE183387-5 2-2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN PALMITATE/ETHYLHEXAN PALMITATE/ETHYLHEXANDEXTRIN 7183387-5 2-2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	DEXTRAN	DEXTRAN	9004-54- 0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.	
DEXTRAN SULFATEDEXTRAN SULFATE9042-14- 2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRINPO04-53- 9The Cosmetic Ingredient Review found this substance was safe as used at the maximum concentration of 43%.DEXTRIN BEHENATEDEXTRIN BEHENATE112444-7 4-3The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN LAURATEDEXTRIN LAURATE79748-56 -4The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN MYRISTATEDEXTRIN MYRISTATE93792-77- 9The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN PALMITATEDEXTRIN PALMITATE83271-10- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN PALMITATE183387-5 2-2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	DEXTRAN HYDROXYPROPYLTRIMONIU M CHLORIDE	DEXTRAN HYDROXYPROPYLTRIMON IUM CHLORIDE	83855-79 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DEXTRINDEXTRIN9004-53- 9The Cosmetic Ingredient Review found this substance was safe as used at the maximum concentration of 43%.DEXTRIN BEHENATEDEXTRIN BEHENATE112444-7 4-3The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN LAURATEDEXTRIN LAURATE79748-56 -4The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN MYRISTATEDEXTRIN MYRISTATE93792-77- 9The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN PALMITATEDEXTRIN PALMITATE83271-10- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN PALMITATE83271-10- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRINPALMITATE/ETHYLHEXANOA 7183387-5 2-2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	DEXTRAN SULFATE	DEXTRAN SULFATE	9042-14- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DEXTRIN BEHENATEDEXTRIN BEHENATE112444-7 4-3The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN LAURATEDEXTRIN LAURATE79748-56 -4The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN MYRISTATEDEXTRIN MYRISTATE93792-77- 9The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRIN PALMITATEDEXTRIN PALMITATE83271-10- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRIN PALMITATE83271-10- 7The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.DEXTRINDEXTRINDEXTRIN183387-5 2-2The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	DEXTRIN	DEXTRIN	9004-53- 9	The Cosmetic Ingredient Review found this substance was safe as used at the maximum concentration of 43%.	
DEXTRIN LAURATE   DEXTRIN LAURATE   79748-56   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN MYRISTATE   DEXTRIN MYRISTATE   DEXTRIN MYRISTATE   93792-77- 9   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN PALMITATE   DEXTRIN PALMITATE   BEXTRIN PALMITATE   83271-10- 7   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN DEXTRIN   DEXTRIN PALMITATE/ETHYLHEXANOA   DEXTRIN PALMITATE/ETHYLHEXANOA   183387-5 PALMITATE/ETHYLHEXANOA   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	DEXTRIN BEHENATE	DEXTRIN BEHENATE	112444-7 4-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DEXTRIN MYRISTATE   DEXTRIN MYRISTATE   93792-77- 9   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN PALMITATE   DEXTRIN PALMITATE   83271-10- 7   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN   DEXTRIN   DEXTRIN PALMITATE   83271-10- 7   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN   DEXTRIN   DEXTRIN   183387-5 PALMITATE/ETHYLHEXANOA   183387-5 PALMITATE/ETHYLHEXANOA   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	DEXTRIN LAURATE	DEXTRIN LAURATE	79748-56 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DEXTRIN PALMITATE   DEXTRIN PALMITATE   83271-10- 7   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     DEXTRIN   DEXTRIN   DEXTRIN   183387-5 PALMITATE/ETHYLHEXANOA   The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.     TF   OATE   0ATE	DEXTRIN MYRISTATE	DEXTRIN MYRISTATE	93792-77- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
DEXTRIN DEXTRIN DEXTRIN 183387-5 The Cosmetic Ingredient Review found this substance   PALMITATE/ETHYLHEXANOA PALMITATE/ETHYLHEXAN 2-2 was safe as used at the reported concentrations of use.	DEXTRIN PALMITATE	DEXTRIN PALMITATE	, 83271-10- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
	DEXTRIN PALMITATE/ETHYLHEXANOA TE	DEXTRIN PALMITATE/ETHYLHEXAN OATE	183387-5 2-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DEXTRIN STEARATE	DEXTRIN STEARATE	37307-33- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DI-C12-13 ALKYL MALATE	DI-C12-13 ALKYL MALATE	0	The Cosmetic Ingredient Review found this substance	
DI-C12-15 ALKYL ADIPATE	DI-C12-15 ALKYL ADIPATE	0	The Cosmetic Ingredient Review found this substance	
DI-C12-15 ALKYL FUMARATE	DIC1215 ALKYL FUMARATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
DI-C16-18 ALKYL DIMER DILINOLEATE	DI-C16-18 ALKYL DIMER DILINOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DI-C20-40 ALKYL DIMER DILINOLEATE	DI-C20-40 ALKYL DIMER DILINOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DI-PEG-2 SOYAMINE IPDI	DiPeg2 Soyamine Ipdi	183681-0 6-3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DI-PPG-3 CETETH-4 ADIPATE	DiPpg3 Ceteth4 Adipate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DI-TEA-COCAMIDE DIACETATE	DITEACOCAMIDE DIACETATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DI-TEA-OLEAMIDO PEG-2 SULFOSUCCINATE	DITEAOLEAMIDO PEG2 SULFOSUCCINATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DI-TEA-OLEAMIDO PEG-2 SULFOSUCCINATE	DITEAOLEAMIDO PEG2 SULFOSUCCINATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DI-TEA-PALMITOYL ASPARTATE	DITEAPALMITOYL ASPARTATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIAMINOPYRIMIDINE OXIDE	DIAMINOPYRIMIDINE OXIDE	0	The European Commission restricts this ingredient to a maximum concentration of 1.5% in hair products.	
DIAMMONIUM HEXACHLOROPLATINATE	Ammonium Hexachloroplatinate (IV)	16919-58- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinica)	
DIAMMONIUM OLEAMIDO PEG-2 SULFOSUCCINATE	Diammonium Oleamido Peg2 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIATOMACEOUS EARTH	Silica, amorphous; silicate; borosilicate	61790-53 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIATOMACEOUS EARTH	Silica, amorphous; silicate; borosilicate	61790-53 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIBEHENYL METHYLAMINE	DIBEHENYL METHYLAMINE	61372-91- 6	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIBENZYL ETHER	DIBENZYL ETHER	103-50-4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.07% in lip products, 0.08% in deodorants/antiperspirants, 0.35% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.04% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.55% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.67% in mouthwashes, breath sprays, and toothpastes, 0.17% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
DIBENZYL ETHER	DIBENZYL ETHER	103-50-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.000040 % Category 2) 0.0028 % Category 3) 0.00020 % Category 4) 0.012 % Category 5A) 0.0023 % Category 5B) 0.00024 % Category 5C) 0.00032 % Category 5D) 0.000081 % Category 6) 0.0023 % Category 7A) 0.00093 % Category 7B) 0.00093 % Category 8) 0.000081 % Category 9) 0.0037 % Category 10A) 0.0037 % Category 10B) 0.0037 % Category 11A) 0.00081 % Category 11B) 0.00081 % Category 12) 0.24 %	
DIBROMOHEXAMIDINE ISETHIONATE	3,3'Dibromo4,4'hexamethyl enedioxydibenzamidine and its salts (including isethionate)	93856-83 -8	(*) The European Commission restricts this ingredient to a maximum concentration of 0.10%	
DIBUTYL ADIPATE	Dibutyl adipate	105-99-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
DIBUTYL OXALATE	DIBUTYL OXALATE	2050-60- 4	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
DIBUTYL SEBACATE	DIBUTYL SEBACATE	109-43-3	The Cosmetic Ingredient Review found this substance	
DIBUTYLOCTYL MALATE	DIBUTYLOCTYL MALATE	399551-1 9-0	The Cosmetic Ingredient Review found this substance	
		7-0	was sure as used of the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DICAPRYL SODIUM SULFOSUCCINATE	DICAPRYL SODIUM SULFOSUCCINATE	1639-66-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DICAPRYLATE/ DICAPRATE PEG-7 GLYCERYL COCOATE	Dicaprylate/ Dicaprate Peg7 Glyceryl Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DICAPRYLYL CARBONATE	DICAPRYLYL CARBONATE	1680-31- 5	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 34.5%.	
DICAPRYLYL ETHER	DICAPRYLYL ETHER	629-82-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
DICARBONIC ACID, DIMETHYL ESTER	DICARBONIC ACID, DIMETHYL ESTER	4525-33- 1	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
DICETEARETH-10 PHOSPHATE	Diceteareth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DICETEARYL DIMER DILINOLEATE	DICETEARYL DIMER DILINOLEATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
DICOCODIMETHYLAMINE DILINOLEATE	DICOCODIMETHYLAMINE DILINOLEATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DICTYOPTERIS MEMBRANACEA (ALGAE) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
DICTYOPTERIS POLYPODIOIDES EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
DICTYOPTERIS POLYPODIOIDES EXTRACT	DICTYOPTERIS POLYPODIOIDES EXTRACT	0	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 0.01%.	
DICTYOPTERIS POLYPODIOIDES EXTRACT	DICTYOPTERIS POLYPODIOIDES EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIERUCIC ACID	DIERUCIC ACID	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
DIETHYL CAPRYLAMIDE	DIETHYL CAPRYLAMIDE	996-97-4	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIETHYL MALONATE	DIETHYL MALONATE	105-53-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.02%.	
DIETHYL OXALATE	DIETHYL OXALATE	95-92-1	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
DIETHYL SEBACATE	DIETHYL SEBACATE	110-40-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1.5%.	
DIETHYLAMINE LAURETH SULFATE	DIETHYLAMINE LAURETH SULFATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	302776-6 8-7	Based on an EU Scientific Committee on Consumer Safety (SCCS) opinion on the use of diethylamino hydroxybenzoyl hexyl benzoate, this ingredient is to be used at a maximum concentration of 10% w/w in cosmetic products, including sunscreen products does not pose a risk to the health of the consumer	X
DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	Secondary and Tertiary Aromatic Amines (Aniline)	302776-6 8-7	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
DIETHYLAMINO HYDROXYBENZOYL HEXYL BENZOATE	Secondary and Tertiary Aromatic Amines (Nitrosamine)	302776-6 8-7	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	x
DIETHYLAMINOETHYL PEG-4 COCOATE	Diethylaminoethyl Peg4 Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIETHYLAMINOETHYL PEG-4 LAURATE	Diethylaminoethyl Peg4 Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIETHYLAMINOETHYL PEG-5 COCOATE	Diethylaminoethyl Peg5 Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIETHYLAMINOETHYL PEG-5 LAURATE	Diethylaminoethyl Peg5 Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIETHYLAMINOMETHYLCOU MARIN	Secondary and Tertiary Aromatic Amines (Aniline)	91-44-1	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
DIETHYLAMINOMETHYLCOU MARIN	Secondary and Tertiary Aromatic Amines (Nitrosamine)	91-44-1	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
DIETHYLENE GLYCOL DIBENZOATE	Benzoate	120-55-8	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIETHYLENE GLYCOL DIETHYLHEXANOATE/ DIISONONANOATE	DIETHYLENE GLYCOL DIETHYLHEXANOATE/ DIISONONANOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIETHYLENE GLYCOL DIISONONANOATE	DIETHYLENE GLYCOL DIISONONANOATE	106-01-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 19%.	
DIETHYLENE GLYCOL PROPYL ETHER	Diethylene Glycol Propyl Ether	29911-27- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIETHYLENE GLYCOL/DMAP ACRYLAMIDE/PEG-180/HDI COPOLYMER	DIETHYLENE GLYCOL/DMAP ACRYLAMIDE/PEG-180/HD I COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIETHYLENE GLYCOL/DMAP ACRYLAMIDE/PEG-180/HDI COPOLYMER	DIETHYLENE GLYCOL/DMAP ACRYLAMIDE/PEG180/HDI COPOLYMER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIETHYLENE GLYCOL/DMAP ACRYLAMIDE/PEG-180/HDI COPOLYMER	DIETHYLENE GLYCOL/DMAP ACRYLAMIDE/PEG180/HDI COPOLYMER	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
DIETHYLHEXYL BUTAMIDO TRIAZONE	Benzoic acid	154702-1 5-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
DIETHYLHEXYL CARBONATE	DIETHYLHEXYL CARBONATE	14858-73 -2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 7.5% and when formulated to be non-irritating.	
DIETHYLHEXYL DIMER DILINOLEATE	DIETHYLHEXYL DIMER DILINOLEATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
DIETHYLHEXYL DIMER DILINOLEATE	dioctyl dimer dilinoleate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	
DIETHYLHEXYLSUCCINATE	DIETHYLHEXYL SUCCINATE	2915-57-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
DIETHYLPENTANEDIOL DINEOPENTANOATE	DIETHYLPENTANEDIOL DINEOPENTANOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIHEPTYLUNDECYL ADIPATE	DIHEPTYLUNDECYL ADIPATE	155613-9 1-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
DIHEXYL ADIPATE	DIHEXYL ADIPATE	110-33-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
DIHEXYLDECYL SEBACATE	DIHEXYLDECYL SEBACATE	359073-5 9-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
DIHYDROCHOLETH 30	Dihydrocholeth 30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIHYDROCHOLETH-15	Dihydrocholeth15	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIHYDROCHOLETH-20	Dihydrocholeth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIHYDROEUGENOL	2METHOXY4PROPYLPHEN OL	2785-87- 7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.13 % Category 2) 0.039 % Category 3) 0.78 % Category 4) 0.73 % Category 5A) 0.19 % Category 5B) 0.19 % Category 5C) 0.19 % Category 5D) 0.062 % Category 6) 0.43 % Category 7A) 1.5 % Category 7B) 1.5 % Category 8) 0.062 % Category 9) 1.4 % Category 10A) 1.4 % Category 10B) 5.1 % Category 11A) 0.062 % Category 11B) 0.062 % Category 12) No Restriction	
DIHYDROGENATED TALLOW BENZYLMONIUM HECTORITE	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
DIHYDROGENATED TALLOW METHYLAMINE	DIHYDROGENATED TALLOW METHYLAMINE	61788-63 -4	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIHYDROXYALUMINUM AMINOACETATE	Aluminum Compounds	13682-92 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
DIHYDROXYETHYL TALLOW GLYCINATE	Dihydroxyethyl Tallow Glycinate	61791-25- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIHYDROXYINDOLINE	DIHYDROXYINDOLINE	29539-03 -5	The European Commission restricts this ingredient to a maximum concentration of 2.0% in nonoxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Can cause severe allergic reactions.'; 'Do not colour your hair if: — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'	
DIHYDROXYINDOLINE HBR	DIHYDROXYINDOLINE HBR	138937-2 8-7	The European Commission restricts this ingredient to a maximum concentration of 2.0% in nonoxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Can cause severe allergic reactions.'; 'Do not colour your hair if: — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'	
DIHYDROXYINDOLINE HBR	DIHYDROXYINDOLINE HBR	138937-2 8-7	Per European restrictions, prohibited for use in hair dye products.	
DIHYDROXYPROPYL PEG-10 STEARAMMONIUM CHLORIDE	Dihydroxypropyl Peg10 Stearammonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIHYDROXYPROPYL PEG-5 LINOLEAMMONIUM CHLORIDE	Dihydroxypropyl Peg 5 Linoleammonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIISOAMYL MALATE	DIISOAMYL MALATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIISOBUTYL ADIPATE	DIISOBUTYL ADIPATE	141-04-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
DIISOBUTYL OXALATE	DIISOBUTYL OXALATE	2050-61- 5	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
DIISOCETYL DODECANEDIOATE	DIISOCETYL DODECANEDIOATE	131252-8 3-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
DIISOPROPYL ADIPATE	DIISOPROPYL ADIPATE	6938-94- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
DIISOPROPYL OXALATE	DIISOPROPYL OXALATE	615-81-6	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
DIISOPROPYL SEBACATE	DIISOPROPYL SEBACATE	7491-02- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
DIISOSTEAROYL TRIMETHYLOLPROPANE SILOXY SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIISOSTEAROYL TRIMETHYLOLPROPANE SILOXY SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIISOSTEARYL ADIPATE	DIISOSTEARYL ADIPATE	62479-36 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
DIISOSTEARYL DIMER DILINOLEATE	DIISOSTEARYL DIMER DILINOLEATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	
DIISOSTEARYL FUMARATE	DIISOSTEARYL FUMARATE	112385-0 9-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 20%.	
DIISOSTEARYL SEBACATE	DIISOSTEARYL SEBACATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.	
DILAURETH-10 PHOSPHATE	Dilaureth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DILAURETH-4 DIMONIUM CHLORIDE	Dilaureth4 Dimonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DILAURETH-4 PHOSPHATE	Dilaureth4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DILAURETH-7 CITRATE	Dilaureth7 Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DILAUROYL TRIMETHYLOLPROPANE SILOXY SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DILAUROYL TRIMETHYLOLPROPANE SILOXY SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DILINOLEAMIDOPROPYL DIMETHYLAMINE	Dilinoleamidopropyl dimethylamine	0	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
DILINOLEAMIDOPROPYL DIMETHYLAMINE DIMETHICONE PEG-7 PHOSPHATE	Dilinoleamidopropyl Dimethylamine Dimethicone Peg7 Phosphate	138698-3 4-7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DILINOLEIC ACID	DILINOLEIC ACID	6144-28- 1	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <2.5%	
DILITHIUM OXALATE	DILITHIUM OXALATE	553-91-3	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
DIMETHICONE	DIMETHICONE	9006-65- 9	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE BISAMINO HYDROXYPROPYL COPOLYOL	DIMETHICONE BISAMINO HYDROXYPROPYL COPOLYOL	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE COPOLYMER	DIMETHICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE COPOLYOL	DIMETHICONE COPOLYOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
DIMETHICONE COPOLYOL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHICONE COPOLYOL BENZOATE	DIMETHICONE COPOLYOL BENZOATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE COPOLYOL EICOSANATE	DIMETHICONE COPOLYOL EICOSANATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE COPOLYOL MEADOWFOAMATE	DIMETHICONE COPOLYOL MEADOWFOAMATE	157479-5 1-1	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE COPOLYOL PHOSPHATE	DIMETHICONE COPOLYOL PHOSPHATE	132207-3 1-9	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE COPOLYOL PHOSPHATE	DIMETHICONE PEG10 PHOSPHATE	132207-3 1-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE COPOLYOL PHOSPHATE	DIMETHICONE PEG7 PHOSPHATE	132207-3 1-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE CROSSPOLYMER	DIMETHICONE CROSSPOLYMER	213629-1 4-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 25%	
DIMETHICONE CROSSPOLYMER	DIMETHICONE CROSSPOLYMER	213629-1 4-2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE CROSSPOLYMER-3	DIMETHICONE CROSSPOLYMER-3	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE CROSSPOLYMER-3	DIMETHICONE CROSSPOLYMER-3	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE PEG 10/ 15 CROSSPOLYMER	Dimethicone Peg 10/ 15 Crosspolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG 10/ 15 CROSSPOLYMER	DIMETHICONE PEG 10/ 15 CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG 10/ 15 CROSSPOLYMER	DIMETHICONE PEG 10/ 15 CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHICONE PEG-10 PHOSPHATE	DIMETHICONE PEG10 PHOSPHATE	132207-3 1-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-15 ACETATE	Dimethicone Peg15 Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 AVOCADOATE	DIMETHICONE PEG-7 AVOCADOATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-7 AVOCADOATE	Dimethicone Peg7 Avocadoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 COCOATE	DIMETHICONE PEG-7 COCOATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-7 COCOATE	Dimethicone Peg7 Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 ISOSTEARATE	DIMETHICONE PEG-7 ISOSTEARATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-7 ISOSTEARATE	Dimethicone Peg7 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 LACTATE	Dimethicone Peg7 Lactate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 OCTYLDODECYL CITRATE	Dimethicone Peg7 Octyldodecyl Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 OLIVATE	Dimethicone Peg7 Olivate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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DIMETHICONE PEG-7 PHOSPHATE	DIMETHICONE PEG-7 PHOSPHATE	132207-3 1-9	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-7 PHOSPHATE	DIMETHICONE PEG7 PHOSPHATE	132207-3 1-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 PHOSPHATE	DIMETHICONE PEG7 PHOSPHATE	132207-3 1-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
DIMETHICONE PEG-7 PHTHALATE	Dimethicone Peg7 Phthalate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 SUCCINATE	Dimethicone Peg7 Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 SULFATE	Dimethicone Peg7 Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-7 UNDECYLENATE	Dimethicone Peg7 Undecylenate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 ADIPATE	DIMETHICONE PEG8 ADIPATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 AVOCADOATE	Dimethicone Peg8 Avocadoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 BEESWAX	DIMETHICONE PEG-8 BEESWAX	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-8 BEESWAX	Dimethicone Peg8 Beeswax	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHICONE PEG-8 BENZOATE	DIMETHICONE PEG-8 BENZOATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-8 BENZOATE	DIMETHICONE PEG8 BENZOATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 BENZOATE	DIMETHICONE PEG8 BENZOATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
DIMETHICONE PEG-8 BORAGEATE	Dimethicone Peg8 Borageate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 ISOSTEARATE	Dimethicone Peg8 Isostearate	133448-1 6-5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 LANOLATE	DIMETHICONE PEG-8 LANOLATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-8 LANOLATE	Dimethicone Peg8 Lanolate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 LAURATE	DIMETHICONE PEG-8 LAURATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-8 LAURATE	Dimethicone Peg8 Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 MEADOWFOAMATE	DIMETHICONE PEG-8 MEADOWFOAMATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-8 MEADOWFOAMATE	Dimethicone Peg8 Meadowfoamate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 OLIVATE	Dimethicone Peg8 Olivate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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DIMETHICONE PEG-8 PHOSPHATE	Dimethicone Peg8 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 PHTHALATE	Dimethicone Peg8 Phthalate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 POLYACRYLATE	DIMETHICONE PEG-8 POLYACRYLATE	217958-6 4-0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG-8 POLYACRYLATE	Dimethicone Peg8 Polyacrylate	217958-6 4-0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG-8 SUCCINATE	Dimethicone Peg8 Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG/PPG-12/4 PHOSPHATE	DIMETHICONE PEG/PPG-12/4 PHOSPHATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG/PPG-12/4 PHOSPHATE	DIMETHICONE PEG/PPG-12/4 PHOSPHATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG/PPG-12/4 PHOSPHATE	DIMETHICONE PEG/PPG12/4 PHOSPHATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG/PPG-20/23 BENZOATE	DIMETHICONE PEG/PPG-20/23 BENZOATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE PEG/PPG-20/23 BENZOATE	DIMETHICONE PEG/PPG-20/23 BENZOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE PEG/PPG-20/23 BENZOATE	Dimethicone Peg/ppg20/23 Benzoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PEG/PPG-7/4 PHOSPHATE	DIMETHICONE PEG/PPG-7/4 PHOSPHATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHICONE PEG/PPG-7/4 PHOSPHATE	DIMETHICONE PEG/PPG7/4 PHOSPHATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE PROPYL PG-BETAINE	DIMETHICONE PROPYL PG-BETAINE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE SILYLATE	DIMETHICONE SILYLATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/ CYCLOMETHICONE COPOLYMER	DIMETHICONE/ CYCLOMETHICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/ METHICONE COPOLYMER	DIMETHICONE/ METHICONE COPOLYMER	68037-59 -2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/ PHENYL VINYL DIMETHICONE CROSSPOLYMER	DIMETHICONE/ PHENYL VINYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/ PHENYL VINYL DIMETHICONE CROSSPOLYMER	DIMETHICONE/ PHENYL VINYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE/ SILSESQUIOXANE COPOLYMER	DIMETHICONE/ SILSESQUIOXANE COPOLYMER	68440-84 -6	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/ SILSESQUIOXANE COPOLYMER	DIMETHICONE/ SILSESQUIOXANE COPOLYMER	68440-84 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE/BIS ISOBUTYL PPG-20 CROSSPOLYMER	DIMETHICONE/BIS ISOBUTYL PPG-20 CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/BIS ISOBUTYL PPG-20 CROSSPOLYMER	DIMETHICONE/BIS ISOBUTYL PPG-20 CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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DIMETHICONE/DIVINYLDIM ETHICONE/SILSESQUIOXAN E CROSSPOLYMER	DIMETHICONE/DIVINYLD IMETHICONE/SILSESQUI OXANE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/DIVINYLDIM ETHICONE/SILSESQUIOXAN E CROSSPOLYMER	DIMETHICONE/DIVINYLD IMETHICONE/SILSESQUI OXANE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE/MERCAPTOP ROPYL METHICONE COPOLYMER	DIMETHICONE/MERCAPTO PROPYL METHICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/MERCAPTOP ROPYL METHICONE COPOLYMER	DIMETHICONE/MERCAPTO PROPYL METHICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/PEG-10 CROSSPOLYMER	DIMETHICONE/PEG-10 CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE/PEG-10 CROSSPOLYMER	Dimethicone/peg10 Crosspolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE/PEG-15 CROSSPOLYMER	DIMETHICONE/PEG-15 CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE/PEG-15 CROSSPOLYMER	Dimethicone/peg15 Crosspolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIMETHICONE/POLYGLYCER IN-3 CROSSPOLYMER	DIMETHICONE/POLYGLYC ERIN-3 CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/POLYGLYCER IN-3 CROSSPOLYMER	DIMETHICONE/POLYGLYC ERIN-3 CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
Dimethicone/Silica Antifoam	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
Dimethicone/Silica Antifoam	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
Dimethicone/Silica/PEG Distearate Antifoam	Dimethicone/Silica/PEG Distearate Antifoam	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

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Dimethicone/Silica/PEG Distearate Antifoam	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
Dimethicone/Silica/PEG Distearate Antifoam	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIMETHICONE/TITANATE CROSSPOLYMER	DIMETHICONE/TITANATE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHICONE/VINYLTRIME THYLSILOXYSILICATE CROSSPOLYMER	DIMETHICONE/VINYLTRI METHYLSILOXYSILICATE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIMETHICONE/VINYLTRIME THYLSILOXYSILICATE CROSSPOLYMER	DIMETHICONE/VINYLTRI METHYLSILOXYSILICATE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the concentrations of 6%.	
DIMETHICONE/VINYLTRIME THYLSILOXYSILICATE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIMETHICONE/VINYLTRIME THYLSILOXYSILICATE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIMETHICONOL	DIMETHICONOL	31692-79- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 36%	
DIMETHICONOL BEESWAX	DIMETHICONOL BEESWAX	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.9%.	
DIMETHICONOL BEHENATE	DIMETHICONOL BEHENATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
DIMETHICONOL BORAGEATE	DIMETHICONOL BORAGEATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
DIMETHICONOL CYSTEINE	DIMETHICONOL CYSTEINE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.07%.	
DIMETHICONOL MEADOWFOAMATE	DIMETHICONOL MEADOWFOAMATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
DIMETHICONOL PANTHENOL	DIMETHICONOL PANTHENOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.07%.	
DIMETHICONOL/ SILSESQUIOXANE COPOLYMER	DIMETHICONOLSILSESQU IOXANE COPOLYMER	68554-67 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%.	
DIMETHICONOL/METHYLSI LANOL/SILICATE CROSSPOLYMER	DIMETHICONOL/METHYLS ILANOL/SILICATE CROSSPOLYMER	69856-02 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHICONOL/METHYLSI LANOL/SILICATE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	69856-02 -6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIMETHICONOL/METHYLSI LANOL/SILICATE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	69856-02 -6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
DIMETHICONOL/PROPYLSIL SESQUIOXANE/SILICATE CROSSPOLYMER	DIMETHICONOL/PROPYLS ILSESQUIOXANE/SILICAT E CROSSPOLYMER	1952336- 81-0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	X
DIMETHICONOL/STEARYL METHICONE/PHENYL TRIMETHICONE COPOLYMER	DIMETHICONOL/STEARYL METHICONE/PHENYL TRIMETHICONE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIMETHYL ADIPATE	DIMETHYL ADIPATE	627-93-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
DIMETHYL BEHENAMINE	DIMETHYL BEHENAMINE	21542-96 -1	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL CARBONATE	DIMETHYL CARBONATE	616-38-6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DIMETHYL COCAMINE	DIMETHYL COCAMINE	61788-93 -0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL DECADIENAL	5,9Dimethyl4,8decadienal	762-26-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.074% Category 2) 0.16% Category 3) 0.074% Category 4) 3.0% Category 5A) 0.76% Category 5B) 0.15% Category 5C) 0.074% Category 5D) 0.025% Category 6) 0.074% Category 7A) 1.1% Category 7B) 1.1% Category 8) 0.025% Category 9) 2.5% Category 10A) 2.5% Category 10B) 4.6% Category 11A) 0.025% Category 11B) 0.025% Category 12) No Restriction	
DIMETHYL GLUTARATE	DIMETHYL GLUTARATE	1119-40- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
DIMETHYL HYDROGENATED TALLOWAMINE	DIMETHYL HYDROGENATED TALLOWAMINE	61788-95 -2	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHYL LAURAMINE	DIMETHYL LAURAMINE	112-18-5	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL LAURAMINE DIMER DILINOLEATE	DIMETHYL LAURAMINE DIMER DILINOLEATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL LAURAMINE ISOSTEARATE	DIMETHYL LAURAMINE ISOSTEARATE	70729-87 -2	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL LAURAMINE OLEATE	DIMETHYL LAURAMINE OLEATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL MEA	DIMETHYL MEA	108-01-0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL MEA	Dimethylethanolamine	108-01-0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
DIMETHYL MEA	Dimethylethanolamine	108-01-0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
DIMETHYL MEA	N,NDimethylethanolamine	108-01-0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
DIMETHYL MYRISTAMINE	DIMETHYL MYRISTAMINE	112-75-4	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHYL OXALATE	DIMETHYL OXALATE	553-90-2	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
DIMETHYL OXAZOLIDINE	4,4Dimethyl1,3oxazolidine	51200-87 -4	(*) The European Commission restricts this ingredient to a maximum concentration of 0.10%	
DIMETHYL PALMITAMINE	DIMETHYL PALMITAMINE	112-69-6	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL SOYAMINE	DIMETHYL SOYAMINE	61788-91- 8	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL STEARAMINE	DIMETHYL STEARAMINE	124-28-7	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL STEARAMINE	DIMETHYL STEARAMINE	124-28-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4% in nonhair coloring products.	
DIMETHYL TALLOWAMINE	DIMETHYL TALLOWAMINE	68814-69 -7	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DIMETHYL-3-CYCLOHEXENE- 1-CARBALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	27939-60 -2	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.17% in lip products, 0.22% in deodorants/antiperspirants, 0.89% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.45% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHYL-3-CYCLOHEXENE- 1-CARBALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	27939-60 -2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.45% Category 2) 0.14% Category 3) 2.7% Category 4) 2.5% Category 5A) 0.64% Category 5B) 0.64% Category 5C) 0.64% Category 5D) 0.64% Category 6) 1.5% Category 7A) 5.2% Category 7B) 5.2% Category 8) 0.27% Category 9) 4.9% Category 10A) 18% Category 10B) 18% Category 11A) 9.8% Category 11B) 9.8% Category 12) No Restriction	
DIMETHYLACRYLAMIDE/SO DIUM ACRYLOYLDIMETHYL TAURATE CROSSPOLYMER	Dimethylacrylamide/Sodiu m Acryloyldimethyltaurate Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
DIMETHYLCYCLOHEXENYL 3-BUTENYL KETONE	1(5,5Dimethyl1cyclohexen1 yl)pent4en1one	56973-85 -4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.07% in lip products, 0.09% in deodorants/antiperspirants, 0.38% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.13% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.81% in mouthwashes, breath sprays, and toothpastes, 0.19% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
DIMETHYLCYCLOHEXENYL 3-BUTENYL KETONE	1(5,5Dimethyl1cyclohexen1 yl)pent4en1one	56973-85 -4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.19 % Category 2) 0.057 % Category 3) 0.18 % Category 4) 1.1 % Category 5A) 0.27 % Category 5B) 0.27 % Category 5C) 0.27 % Category 5D) 0.091 % Category 6) 0.54 % Category 7A) 0.54 % Category 7B) 0.54 % Category 8) 0.091 % Category 9) 1.4 % Category 10A) 1.4 % Category 10B) 3.4 % Category 11A) 0.091 % Category 11B) 0.091 % Category 12) No Restriction	
DIMETHYLDIOCTYLAMMONI UM HECTORITE	CLAYS AND MINERALS	97280-96 -1	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
DIMETHYLHYDROXY FURANONE	4HYDROXY2,5DIMETHYL3( 2H)FURANONE	3658-77- 3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.045 % Category 2) 0.014 % Category 3) 0.27 % Category 4) 0.25 % Category 5A) 0.064 % Category 5B) 0.064 % Category 5C) 0.064 % Category 5D) 0.021 % Category 6) 0.15 % Category 7A) 0.52 % Category 7B) 0.52 % Category 8) 0.021 % Category 9) 0.49 % Category 10A) 0.49 % Category 10B) 1.8 % Category 11A) 0.021 % Category 11B) 0.021 % Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIMETHYLTETRAHYDRO BENZALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	68737-61- 1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.17% in lip products, 0.22% in deodorants/antiperspirants, 0.89% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.45% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
DIMETHYLTETRAHYDRO BENZALDEHYDE	Dimethylcyclohex3ene1car baldehyde (mixed isomers)	68737-61- 1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.45% Category 2) 0.14% Category 3) 2.7% Category 4) 2.5% Category 5A) 0.64% Category 5B) 0.64% Category 5C) 0.64% Category 5D) 0.64% Category 6) 1.5% Category 7A) 5.2% Category 7B) 5.2% Category 8) 0.27% Category 9) 4.9% Category 10A) 18% Category 10B) 18% Category 11A) 9.8% Category 11B) 9.8% Category 12) No Restriction	
DIMYRISTYL PHOSPHATE	DIMYRISTYL PHOSPHATE	6640-03- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DINONOXYNOL-4 PHOSPHATE	Dinonoxynol4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DINONOXYNOL-9 CITRATE	Dinonoxynol9 Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIOCTADECANYL DIDECYLTETRADECANOATE	DIOCTADECANYL DIDECYLTETRADECANOAT E	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIOCTADECANYL DITETRADECYLOCTADECAN OATE	DIOCTADECANYL DITETRADECYLOCTADECA NOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIOCTYL MALATE	Diethylhexyl Malate	56235-92 -8	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%	
DIOCTYL MALATE	DIOCTYL MALATE	56235-92 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIOCTYL SODIUM SULFOSUCCINATE	DIETHYLHEXYL SODIUM SULFOSUCCINATE	577-11-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
DIOCTYL SODIUM SULFOSUCCINATE	DIOCTYL SODIUM SULFOSUCCINATE	577-11-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
DIOCTYLDODECETH-2 LAUROYL GLUTAMATE	Dioctyldodeceth2 Lauroyl Glutamate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DIOCTYLDODECETH-5 LAUROYL GLUTAMATE	Dioctyldodeceth5 Lauroyl Glutamate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIOCTYLDODECYL ADIPATE	DIOCTYLDODECYL ADIPATE	85117-94 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIOCTYLDODECYL DIMER DILINOLEATE	DIOCTYLDODECYL DIMER DILINOLEATE	129423-6 0-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIOCTYLDODECYL	DIOCTYLDODECYL	129423-5	The Cosmetic Ingredient Review found this substance	
		5-8	was safe as used at the reported concentrations of use.	
SEBACATE	SEBACATE	-0	was safe as used at the reported concentrations of use.	
DIOLETH-8 PHOSPHATE	Dioleth8 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DIOLEYL PHOSPHATE	DIOLEYL PHOSPHATE	14450-07 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DIOLEYL TOCOPHERYL METHYLSILANOL	DIOLEYL TOCOPHERYL METHYLSILANOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
DIOLEYL TOCOPHERYL METHYLSILANOL	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
DIOSCOREA VILLOSA	DIOSCOREA VILLOSA (WILD YAM) ROOT EXTRACT	90147-49 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15% of max 2% plant solids. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: pesticides.	
DIOSCOREA VILLOSA (WILD YAM) ROOT EXTRACT	DIOSCOREA VILLOSA (WILD YAM) ROOT EXTRACT	90147-49 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15% of max 2% plant solids. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: pesticides.	
DIOSCOREA VILLOSA (WILD YAM) ROOT EXTRACT	WILD YAM (DIOSCOREA VILLOSA) EXTRACT	90147-49 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15% of max 2% plant solids. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: pesticides.	
DIPALMITOYL CYSTINE	DIPALMITOYL CYSTINE	17627-10- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DIPENTAERYTHRITYL PENTAISONONANOATE	DIPENTAERYTHRITYL PENTAISONONANOATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 13%.	
DIPHENYL DIMETHICONE	DIPHENYL DIMETHICONE	68083-14 -7	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIPHENYL DIMETHICONE CROSSPOLYMER	DIPHENYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIPHENYL DIMETHICONE CROSSPOLYMER	DIPHENYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIPHENYL DIMETHICONE/VINYL DIPHENYL DIMETHICONE/SILSESQUIO XANE CROSSPOLYMER	DIPHENYL DIMETHICONE/VINYL DIPHENYL DIMETHICONE/SILSESQUI OXANE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

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DIPHENYL DIMETHICONE/VINYL DIPHENYL DIMETHICONE/SILSESQUIO XANE CROSSPOLYMER	DIPHENYL DIMETHICONE/VINYL DIPHENYL DIMETHICONE/SILSESQUI OXANE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIPHENYLSILOXY PHENYL TRIMETHICONE	DIPHENYLSILOXY PHENYL TRIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIPOTASSIUM ASPARTATE	DIPOTASSIUM ASPARTATE	14007-45 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIPOTASSIUM AZELATE	DIPOTASSIUM AZELATE	19619-43- 3	These ingredients were added to the list of restricted substances due to known therapeutic properties and risk of skin irritation at concentrations above the maximum permitted concentration of 14%.	
DIPOTASSIUM EDTA	DIPOTASSIUM EDTA	2001-94- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used at a concentration of 1% or less.	
DIPOTASSIUM GLYCYRRHIZATE	DIPOTASSIUM GLYCYRRHIZATE	68797-35 -3	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: pesticides/PCBs, toxic metals, and heavy metals. The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
DIPOTASSIUM OXALATE	DIPOTASSIUM OXALATE	583-52-8	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
DIPROPYL ADIPATE	DIPROPYL ADIPATE	106-19-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DIPROPYL OXALATE	DIPROPYL OXALATE	615-98-5	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
DIPROPYLENE GLYCOL ISOCETETH-20 ACETATE	Dipropylene Glycol Isoceteth20 Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Dipropylene Glycol Methyl Ether	Dipropylene glycol methyl ether	34590-94 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Dipropylene Glycol Methyl Ether	PPG2 Methyl Ether	34590-94 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
DIPTERYX ODORATA SEED EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Dipteryx odorata, ext.	Coumarin, contact allergen for eczema products	90028-06 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
diretinyl ester	Retinoids		Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DISILOXANE	DISILOXANE	107-46-0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DISILOXANE	Disiloxane	107-46-0	This substance was found to be very persistent and very bioaccumulative, and it is a proposed substance of very high concern in the European Union. These ingredients are restricted to 0.1% in final products	
DISODIUM ADENOSINE PHOSPHATE	DISODIUM ADENOSINE PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DISODIUM ADENOSINE TRIPHOSPHATE	DISODIUM ADENOSINE TRIPHOSPHATE	987-65-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DISODIUM AZELATE	DISODIUM AZELATE	17265-13- 3	These ingredients were added to the list of restricted substances due to known therapeutic properties and risk of skin irritation at concentrations above the maximum permitted concentration of 14%.	
DISODIUM AZELATE	DISODIUM AZELATE	17265-13- 3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DISODIUM C12-14 PARETH-1 SULFOSUCCINATE	DISODIUM C12-14 PARETH-1 SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM C12-14 PARETH-2 SULFOSUCCINATE	DISODIUM C12-14 PARETH-2 SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM C12-14 SEC-PARETH-12 SULFOSUCCINATE	DISODIUM C12-14 SEC-PARETH-12 SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM C12-14 SEC-PARETH-3 SULFOSUCCINATE	DISODIUM C12-14 SEC-PARETH-3 SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM C12-14 SEC-PARETH-5 SULFOSUCCINATE	DISODIUM C12-14 SEC-PARETH-5 SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM C12-14 SEC-PARETH-7 SULFOSUCCINATE	DISODIUM C12-14 SEC-PARETH-7 SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM C12-14 SEC-PARETH-9 SULFOSUCCINATE	DISODIUM C12-14 SEC-PARETH-9 SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM C12-15 PARETH SULFOSUCCINATE	DISODIUM C12-15 PARETH SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM CAPRYLOYL GLUTAMATE	Disodium capryloyl glutamate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.4%	
DISODIUM COCAMIDO MIPA PEG-4 SULFOSUCCINATE	Disodium Cocamido Mipa Peg4 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM COCAMIDO PEG-3 SULFOSUCCINATE	Disodium Cocamido Peg3 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM COCOAMPHODIACETATE	COCOAMPHODIACETATE	68650-39 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	
DISODIUM COCOAMPHODIPROPIONAT E	COCOAMPHODIPROPIONA TE	68411-57 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
DISODIUM COCOAMPHODIPROPIONAT E	DISODIUM COCOAMPHODIPROPIONA TE	68411-57 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DISODIUM CUPRIC CITRATE	DISODIUM CUPRIC CITRATE	38218-87 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

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DISODIUM DECETH-5 SULFOSUCCINATE	DISODIUM DECETH-5 SULFOSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM DECETH-5 SULFOSUCCINATE	Disodium Deceth5 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM DECETH-6 SULFOSUCCINATE	DISODIUM DECETH-6 SULFOSUCCINATE	68311-03- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM DECETH-6 SULFOSUCCINATE	Disodium Deceth6 Sulfosuccinate	68311-03- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM EDTA	DISODIUM EDTA	139-33-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used at a concentration of 1% or less.	
DISODIUM ETHLENE DICOCAMIDE PEG 15 DISULFATE	Disodium Ethlene Dicocamide Peg 15 Disulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM GLYCYRRHIZATE	DISODIUM GLYCYRRHIZATE	71277-79- 7	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: pesticides/PCBs, toxic metals, and heavy metals.	
DISODIUM HYDROGENATED TALLOW GLUTAMATE	Disodium hydrogenated tallow alutamate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%	
DISODIUM LANETH-5 SULFOSUCCINATE	DISODIUM LANETH-5 SULFOSUCCINATE	68890-92 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM LAURAMIDO PEG-2 SULFOSUCCINATE	Disodium Lauramido Peg2 Sulfosuccinate	56388-44 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURAMIDO PEG-5 SULFOSUCCINATE	Disodium Lauramido Peg5 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURETH SULFOSUCCINATE	Disodium laureth sulfosuccinate	58450-52 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURETH SULFOSUCCINATE	DISODIUM LAURETH SULFOSUCCINATE	58450-52 -5	The Cosmetic Ingredient Review Expert Panel concluded this ingredient is safe as used at concentrations < 10%.	
DISODIUM LAURETH SULFOSUCCINATE	DISODIUM LAURETH SULFOSUCCINATE	58450-52 -5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 10% when formulated to be non-irritating.	
DISODIUM LAURETH-12 SULFOSUCCINATE	DISODIUM LAURETH-12 SULFOSUCCINATE	39354-45 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM LAURETH-12 SULFOSUCCINATE	Disodium Laureth12 Sulfosuccinate	39354-45 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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DISODIUM LAURETH-12 SULFOSUCCINATE	Disodium Laureth6 Sulfosuccinate	39354-45 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURETH-12 SULFOSUCCINATE	Disodium Laureth9 Sulfosuccinate	39354-45 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURETH-5 CARBOXYAMPHODIACETATE	Disodium Laureth5 Carboxyamphodiacetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURETH-6 SULFOSUCCINATE	DISODIUM LAURETH-6 SULFOSUCCINATE	39354-45 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM LAURETH-6 SULFOSUCCINATE	Disodium Laureth6 Sulfosuccinate	39354-45 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURETH-7 CITRATE	Disodium Laureth7 Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURETH-9 SULFOSUCCINATE	DISODIUM LAURETH-9 SULFOSUCCINATE	39354-45 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM LAURETH-9 SULFOSUCCINATE	Disodium Laureth9 Sulfosuccinate	39354-45 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM LAURIMINODIPROPIONATE TOCOPHERYL PHOSPHATES	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
DISODIUM LAURYL PHOSPHATE	DISODIUM LAURYL PHOSPHATE	7423-32- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM MALYL TYROSINATE	DISODIUM MALYL TYROSINATE	126139-7 9-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM NONOXYNOL-10 SULFOSUCCINATE	Disodium Nonoxynol10 Sulfosuccinate	67999-57 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM OLEAMIDO PEG-2 SULFOSUCCINATE	DISODIUM OLEAMIDO PEG-2 SULFOSUCCINATE	56388-43 -3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DISODIUM OLEAMIDO PEG-2 SULFOSUCCINATE	Disodium Oleamido Peg2 Sulfosuccinate	56388-43 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DISODIUM OLETH-3 SULFOSUCCINATE	DISODIUM OLETH3 SULFOSUCCINATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM OLEYL PHOSPHATE	DISODIUM OLEYL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DISODIUM PALMITAMIDO PEG-2 SULFOSUCCINATE	Disodium Palmitamido Peg2 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PALMITOLEAMIDO PEG-2 SULFOSUCCINATE	Disodium Palmitoleamido Peg2 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG STEARATE	Disodium Peg Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG-12 DIMETHICONE	Disodium Peg12 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG-12 DIMETHICONE SULFOSUCCINATE	DISODIUM PEG-12 DIMETHICONE SULFOSUCCINATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DISODIUM PEG-12 DIMETHICONE SULFOSUCCINATE	Disodium Peg12 Dimethicone Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG-2 OLEAMIDO SULFOSUCCINATE	Disodium Peg2 Oleamido Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG-4 COCAMIDO MIPA-SULFOSUCCINATE	Disodium Peg4 Cocamido MipaSulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG-5 LANOLIN ETHER SULFOSUCCINATE	Disodium Peg5 Lanolin Ether Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG-5 LAURYLCITRATE SULFOSUCCINATE	Disodium Peg5 Laurylcitrate Sulfosuccinate	164458-7 3-5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DISODIUM PEG-8 GLYCERYL CAPRYLATE/CAPRATE	Disodium Peg8 Glyceryl Caprylate/caprate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG-8 PALM GLYCERIDES SULFOSUCCINATE	Disodium Peg8 Palm Glycerides Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PEG-8 RICINOSUCCINATE	Disodium Peg8 Ricinosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM PPG-2-ISODECETH-7 CARBOXYAMPHODIACETATE	Disodium Ppg2Isodeceth7 Carboxyamphodiacetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM STEAROYL GLUTAMATE	Disodium stearoyl alutamate	38079-62 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 6%	
DISODIUM SUCCINATE	DISODIUM SUCCINATE	150-90-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
DISODIUM SUCCINOYL GLYCYRRHETINATE	DISODIUM SUCCINOYL GLYCYRRHETINATE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: pesticides/PCBs, toxic metals, and heavy metals.	
DISODIUM UNDECYLENAMIDO PEG-2 SULFOSUCCINATE	Disodium Undecylenamido Peg2 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISODIUM WHEAT GERMAMIDO PEG-2 SULFOSUCCINATE	Disodium Wheat Germamido Peg2 Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DISPERSE RED 17	Ethanol, 2,2'[[3 methyl4[(E)(4 nitrophenyl)azo] phenyl]imino]bis	3179-89-3	(*) The European Commission restricts this ingredient to a maximum concentration of 2.0% applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 0.2% in nonoxidative hair dye products. Additionally, this substance cannot be used with nitrosating agents, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. Required Warning: (*) The European Commission requires the following on the product label/package of oxidative hair dyes: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: you have a rash on your face or sensitive, irritated and damaged scalp, you have ever experienced any reaction after colouring your hair, you have experienced a reaction to a temporary 'black henna' tattoo in the past.' The European commission requires the following on the product label/package of nonoxidative hair dyes: 'Can cause allergic reactions.' Lastly, the European commission requires the following on the product label/package of products intended for coloring eyelashes: The mixing ratio; 'For professional use only.'; 'This product can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Eyelashes shall not be coloured if the consumer: has a rash on the face or sensitive, irritated and damaged scalp, has experienced a reaction after colouring hair or eyelashes, has experienced a reaction to a temporary 'black henna' tattoo in the past'; 'Rinse eyes immediately if product comes into contact with them.'	
DISTEARALKONIUM HECTORITE	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
DISTEARDIMONIUM HECTORITE	CLAYS AND MINERALS	97280-96 -1	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
DISTEARDIMONIUM HECTORITE	Disteardimonium Hectorite	97280-96 -1	The Cosmetic Review ingredient Expert Panel determined this ingredient was safe as used at concentrations < 28%	
DISTEARETH 100 IPDI	Disteareth 100 Ipdi	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISTEARETH-75 IPDI	Disteareth75 Ipdi	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DISTEARONIUM HECTORITE	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DISTEARYLDIMETHYLAMINE DILINOLEATE	DISTEARYLDIMETHYLAMI NE DILINOLEATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
DISTILLATES (COAL-PETROLEUM), CONDENSED-RING AROM	Distillates (coalpetroleum), condensedring arom	68188-48 -7	The European Commission bans this ingredient from use in cosmetics if it contains over 0.005% w/w benzo[a]pyrene	
Distillates (petroleum), acid-treated light	Distillates (petroleum), acidtreated light	64742-14 -9	The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
DISTILLATES (PETROLEUM), HYDRODESULFURIZED MIDDLE	Distillates (petroleum), hydrodesulfurized middle	64742-80 -9	The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
DISTILLATES RESIDUE, LOW-BOILING	DISTILLATES RESIDUE, LOWBOILING	68477-31 -6	The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
DITRIDECYL SODIUM SULFOSUCCINATE	DITRIDECYL SODIUM SULFOSUCCINATE	2673-22- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
DIVINYLDIMETHICONE	DIVINYLDIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIVINYLDIMETHICONE	DIVINYLDIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIVINYLDIMETHICONE/ DIMETHICONE COPOLYMER	DIVINYLDIMETHICONE/ DIMETHICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIVINYLDIMETHICONE/DIM ETHICONE CROSSPOLYMER	DIVINYLDIMETHICONE/D IMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
DIVINYLDIMETHICONE/DIM ETHICONE CROSSPOLYMER	DIVINYLDIMETHICONE/D IMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
DOBANOL 25-3	Dobanol 253	58391-12- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DODECANEDIOIC ACID	Dodecanedioic Acid	693-23-2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
DODECYL GALLATE	Contact allergens for eczema products	1166-52-5	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
DODECYLHEXADECYLTRIMO NIUM CHLORIDE	DODECYLHEXADECYLTRIM ONIUM CHLORIDE	103807-1 8-7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
DODOXYNOL-12	Dodoxynol12	9014-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
DROMETRIZOLE	22HYDROXY5METHYLPHEN YLBENZOTRIAZOLE	2440-22- 4	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 7% in leaveon products.	
DROMETRIZOLE	DROMETRIZOLE	2440-22- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.07%.	
DROMETRIZOLE TRISILOXANE	DROMETRIZOLETRISILOX ANE	155633-5 4-8	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 15% in rinseoff products (not applied to mucosa).	
DROMETRIZOLE TRISILOXANE	DROMETRIZOLETRISILOX ANE	155633-5 4-8	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
DROMETRIZOLE TRISILOXANE	DROMETRIZOLETRISILOX ANE	155633-5 4-8	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 15% in leaveon products (not applied to mucosa).	
DROMETRIZOLE TRISILOXANE	Phenol	155633-5 4-8	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.1%.	
DURVILLAEA ANTARCTICA EXTRACT	Algae and related substances	223749-8 7-9	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
DURVILLAEA ANTARTICA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury: 1ppm, and arsenic: 3 ppm.	
DURVILLAEA POTATORUM EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury: 1ppm, and arsenic: 3 ppm.	
ECKLONIA CAVA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
ECKLONIA CAVA EXTRACT	ECKLONIA CAVA EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ECKLONIA KUROME EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
ECKLONIA RADIATA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
EDTA	EDTA	60-00-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
ELAEIS GUINEENSIS (PALM) KERNEL OIL	ELAEIS GUINEENSIS (PALM) KERNEL OIL	8002-75- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 23%.	
ELAEIS GUINEENSIS (PALM) KERNEL OIL	ELAEIS GUINEENSIS (PALM) OIL	8002-75- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 48%.	
ELAEIS GUINEENSIS (PALM) KERNEL OIL	PALM OIL	8002-75- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 48%.	
ELASTIN	ELASTIN	9007-58- 3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ELASTIN AMINO ACIDS	ELASTIN AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ELGUEA CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
ENSULIZOLE	PHENYLBENZIMIDAZOLES ULFONICACID	27503-81 -7	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 3% in rinseoff products (not applied to mucosa).	
ENSULIZOLE	PHENYLBENZIMIDAZOLES ULFONICACID	27503-81 -7	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
ENSULIZOLE	PHENYLBENZIMIDAZOLES ULFONICACID	27503-81 -7	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 3% in leaveon products (not applied to mucosa).	
EPOXY RESIN COATED ALUMINUM POWDER	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ERUCAMIDOPROPYL HYDROXYSULTAINE	ERUCAMIDOPROPYL HYDROXYSULTAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ERUCIC ACID	ERUCIC ACID	112-86-7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ERUCYL ARACHIDATE	ERUCYL ARACHIDATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ERUCYL ERUCATE	ERUCYL ERUCATE	27640-89 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ERUCYL OLEATE	ERUCYL OLEATE	85617-81 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ERYTHORBIC ACID	ERYTHORBIC ACID	89-65-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
ESTER-C LIQUID SODIUM MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ESTER-C LIQUID SODIUM MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ESTRAGOLE	Estragole	140-67-0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in fine fragrance and eau de toilette, 0.01% in other leaveon and rinseoff products, and 0.2% in nonskin incidental skin contact products.	
ESTRAGOLE	Estragole	140-67-0	California Prop65 lists this chemical as known to cause cancer; therefore, this chemical is not allowed as a direct addition to a product and cannot make up more than 50% of any listed ingredient.	
ESTRAGOLE	Estragole	140-67-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %	
ESTRAGOLE	Estragole	140-67-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %	
ESTRAGOLE	Estragole	140-67-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %	
ETHANEPEROXOIC ACID/ALUMINUM ISOPROXIDE/TRIMETHYL-C YCLODODECATRIENE	Aluminum Compounds	111850-0 0-1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ETHANOL, 2,2'-((4-AMINOPHENYL)IMIN O)BIS-, SULFATE (SALT), HYDRATE (1:1:1)	ETHANOL, 2,2'((4AMINOPHENYL)IMI NO)BIS, SULFATE (SALT), HYDRATE (1:1:1)	54381-16 -7	The European Commission restricts this ingredient to a maximum concentration of 2.5% (calculated as sulphate) applied to hair after mixing under oxidative conditions in oxidative hair dye products. Additionally, this substance cannot be used with nitrosating agents, and it cannot have a nitrosamine content of more than 50 microgram/kg. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colorants can cause severe allergic reactions'	
ETHANOL, 2,2'-(BUTYLIMINO)DI-	ETHANOL, 2,2'(BUTYLIMINO)DI	102-79-4	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
ETHANOLAMINE DITHIODIGLYCOLATE	ETHANOLAMINE DITHIODIGLYCOLATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ETHANOLAMINE GLYCEROPHOSPHATE	ETHANOLAMINE GLYCEROPHOSPHATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
ETHANOLAMINE HCL	ETHANOLAMINE HCL	2002-24- 6	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
ETHANOLAMINE THIOGLYCOLATE	ETHANOLAMINE THIOGLYCOLATE	126-97-6	The European Commission restricts this ingredient to a maximum concentration of 8% (as thioglycolic acid) with a pH of 7 to 9.5 in general use hair products, 11% (as thioglycolic acid) with a pH of 7 to 9.5 in professional use hair products, 5% (as thioglycolic acid) with a pH of 7 to 9.5 in hair rinseoff products. Additionally, this substance cannot be used with nitrosating systems, it cannot have a secondary amine content over 0.5%, it must have a minimum purity of 99%, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. Required Warning: The European Commission requires the following conditions of use on the label/package of hair products: 'Avoid contact with eyes'; 'In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice'. Additionally, the following conditions of use are required on hair products and hair rinseoff products: 'Wear suitable gloves'. The European Commission also requires the following warning text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following warning text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following warning text on the label/package of hair products: 'Keep out of reach of children'. Additionally, the following warning text is required on hair products: 'For professionaly use only.'	
ETHANOLAMINE THIOGLYCOLATE	ETHANOLAMINE THIOGLYCOLATE	126-97-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15.2% (as thioglycolic acid) in hair straighteners, permanent waves, tonics, dressings, wave sets, other noncoloring hair products, and hair dyes and colors.	
ETHER, 1-CHLORO-2,2,2-TRIFLUORO ETHYL DIFLUOROMETHYL	Isoflurane	26675-46 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ETHER, 2-CHLORO-1,1,2-TRIFLUORO ETHYL DIFLUOROMETHYL	Anesthetic Gases, Halogenated	13838-16- 9	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ETHER, 2-CHLORO-1,1,2-TRIFLUORO ETHYL DIFLUOROMETHYL	Enflurane	13838-16- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ETHER, FLUOROMETHYL 2,2,2-TRIFLUORO-1-(TRIFLU OROMETHYL)ETHYL-	Sevoflurane	28523-86 -6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

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ETHOXY-p-CRESOL	2Ethoxy4methylphenol	2563-07- 7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.01% in deodorants/antiperspirants, 0.03% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.2% in mouthwashes, breath sprays, and toothpastes, 0.02% in intimate wipes, and baby wipes, 0.2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ETHOXY-PROPENYLPHENOL	PROPENYLGUAETHOL	94-86-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.18% Category 2) 0.053% Category 3) 0.11% Category 4) 0.99% Category 5A) 0.25% Category 5B) 0.21% Category 5C) 0.25% Category 5D) 0.071% Category 6) 0.58% Category 7A) 0.32% Category 7B) 0.32% Category 8) 0.071% Category 9) 0.75% Category 10A) 0.75% Category 10B) 3.7% Category 11A) 0.071% Category 11B) 0.071% Category 12) 58%	
ETHOXY-PROPENYLPHENOL	PROPENYLGUAETHOL	94-86-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.18% Category 2) 0.053% Category 3) 0.11% Category 4) 0.99% Category 5A) 0.25% Category 5B) 0.21% Category 5C) 0.25% Category 5D) 0.071% Category 6) 0.58% Category 7A) 0.32% Category 7B) 0.32% Category 8) 0.071% Category 9) 0.75% Category 10A) 0.75% Category 10B) 3.7% Category 11A) 0.071% Category 11B) 0.071% Category 12) 58%	
ETHOXYDIGLYCOL	2(2ethoxyethoxy)ethanol Diethylene Glycol Monoethyl Ether (DEGREE),Ethoxydiglycol	111-90-0	(*) The European Commission prohibits the use of this ingredient in eye and oral products, and restricts it to a maximum concentration of 7% in oxidative hair dye products, 5% in nonoxidative hair dye products, 10% in rinseoff products other than hair dye product, 2.6% in other nonspray cosmetic products, and 2.6% in the following spray products fine fragrances, hair sprays, antiperspirant and deodorant. Additionally, the level of ethylene glycol impurity in Ethoxydiglycol must be <= 0.1 %.	
ETHOXYLATED ALKYL PHENOL	Ethoxylated Alkyl Phenol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ethoxylated amines	Ethoxylated Amines	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Ethoxylated castor oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg10 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ETHOXYLATED CASTOR OIL	Peg100 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg11 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg15 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg16 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg2 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg20 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg200 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg25 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg26 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg29 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg3 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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ETHOXYLATED CASTOR OIL	PEG30 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	PEG33 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	PEG35 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	PEG36 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	PEG4 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	PEG40 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg44 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg5 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg50 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg54 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg55 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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ETHOXYLATED CASTOR OIL	Peg60 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg75 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg8 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	Peg80 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED CASTOR OIL	PEG9 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ethoxylated cocoalkylamines	Ethoxylated Cocoalkylamines	61791-31- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Ethoxylated Ethylhexanol	Ethoxylated Ethylhexanol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED EVENING PRIMROSE OIL	Ethoxylated Evening Primrose Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHOXYLATED GLYCERIDES	Ethoxylated Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ethoxylated octadecylamine	Ethoxylated Octadecylamine	26635-92 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ethoxylated oleylamines	Ethoxylated Oleylamines	13127-82- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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ETHOXYLATED PLANT STEROLS	Ethoxylated Plant Sterols	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ethoxylated soyaalkylamines	Ethoxylated Soyaalkylamines	73246-96 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ethoxylated tallowalkylamines	Ethoxylated Tallowalkylamines	61791-44 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Ethoxylated Undecyl Alcohol	Ethoxylated Undecyl Alcohol	127036-2 4-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHYL BENZOATE	Benzoate	93-89-0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
ETHYL BENZOATE	ETHYL BENZOATE	93-89-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.01%.	
ETHYL CITRAL	3,7Dimethyl2,6nonadien1al	41448-29 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.032 % Category 3) 0.65 % Category 4) 0.60 % Category 5A) 0.15 % Category 5B) 0.15 % Category 5C) 0.15 % Category 5D) 0.051 % Category 6) 0.16 % Category 7A) 1.2 % Category 7B) 1.2 % Category 8) 0.051 % Category 9) 0.16 % Category 10A) 0.16 % Category 10B) 4.2 % Category 11A) 0.051 % Category 11B) 0.051 % Category 12) No Restriction	
ETHYL DIMETHYLAMINOBENZOATE	Secondary and Tertiary Aromatic Amines (Aniline)	0	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	x
ETHYL DIMETHYLAMINOBENZOATE	Secondary and Tertiary Aromatic Amines (Nitrosamine)	0	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
ETHYL HEXANEDIOL	ETHYL HEXANEDIOL	29656-68 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
Ethyl Hexanol Ethoxylated Propoxylated	Ethyl Hexanol Ethoxylated Propoxylated	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHYL LACTATE	ETHYL LACTATE	97-64-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
ETHYL LAUROYL ARGINATE HCL	ETHYL LAUROYL ARGINATE HCL	60372-77 -2	The European Commission restricts this ingredient to a maximum concentration of 0.8% in soap, antidandruff shampoos, and nonspray deodorants. For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent on the product label.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ETHYL LAUROYL ARGINATE HCL	ETHYL LAUROYL ARGINATE HCL	60372-77 -2	Per COSING, the maximum concentration in RTU preparation is a) 0.15% for mouthwashes b) 0.4% for other. Prohibited for use in preparations for children under 10 years of age and in lip products, oral products (other than mouthwashes), and spray products.	
ETHYL LAUROYL ARGINATE HCL	Ethyl Lauroyl Arginate HCl (preservative)	60372-77 -2	(*) The European Commission restricts this ingredient to a maximum concentration of 0.4% when used as a preservative.	
ETHYL METHICONE	ETHYL METHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
ETHYL MYRISTATE	ETHYL MYRISTATE	124-06-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ETHYL PEG-15 COCAMINE SULFATE	Ethyl Peg15 Cocamine Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ETHYL TRISILOXANE	ETHYL TRISILOXANE	17861-60 -8	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
ETHYLCELLULOSE	ETHYLCELLULOSE	9004-57- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
ETHYLENE GLYCOL, ESTER WITH SILICIC ACID (4:1)	Silica, amorphous; silicate; borosilicate	17622-94 -5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ETHYLENE GLYCOL, ESTER WITH SILICIC ACID (4:1)	Silica, amorphous; silicate; borosilicate	17622-94 -5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ETHYLENE/ ACRYLIC ACID COPOLYMER	ETHYLENE/ ACRYLIC ACID COPOLYMER	9010-77- 9	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ETHYLENE/ PROPYLENE COPOLYMER	ETHYLENE/ PROPYLENE COPOLYMER	9010-79- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ETHYLENE/ PROPYLENE/ STYRENE COPOLYMER	ETHYLENE/ PROPYLENE/ STYRENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at a maximum concentration of 8.2%	
ETHYLENE/ACRYLIC ACID/VA COPOLYMER	ETHYLENE/ACRYLIC ACID/VA COPOLYMER	26713-18- 8	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	

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ETHYLENE/CALCIUM ACRYLATE COPOLYMER	ETHYLENE/CALCIUM ACRYLATE COPOLYMER	26445-96 -5	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ETHYLENE/MAGNESIUM ACRYLATE COPOLYMER	ETHYLENE/MAGNESIUM ACRYLATE COPOLYMER	27515-37- 3	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ETHYLENE/METHACRYLATE COPOLYMER	ETHYLENE/METHACRYLAT E COPOLYMER	25103-74 -6	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ETHYLENE/OCTENE	ETHYLENE/OCTENE	0	The Cosmetic Ingredient Review found this substance	
ETHYLENE/SODIUM ACRYLATE COPOLYMER	ETHYLENE/SODIUM ACRYLATE COPOLYMER	25749-98 -8	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ETHYLENE/ZINC ACRYLATE COPOLYMER	ETHYLENE/ZINC ACRYLATE COPOLYMER	28208-80 -2	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ETHYLENEDIAMINE	Ethylenediamine	107-15-3	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ETHYLENEDIAMINE	Ethylenediamine	107-15-3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ETHYLHEXYL ACRYLATE/METHYL METHACRYLATE COPOLYMER	ETHYLHEXYL ACRYLATE/METHYL METHACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
ETHYLHEXYL ACRYLATE/METHYL METHACRYLATE COPOLYMER	ETHYLHEXYL ACRYLATE/METHYL METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ETHYLHEXYL ACRYLATE/VP/DIMETHICON E METHACRYLATE COPOLYMER	ETHYLHEXYL ACRYLATE/VP/DIMETHICO NE METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ETHYLHEXYL BENZOATE	Benzoate	5444-75- 7	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
ETHYLHEXYL BENZOATE	ETHYLHEXYL BENZOATE	5444-75- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ETHYLHEXYL HYDROXYSTEARATE BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
ETHYLHEXYL POLYHYDROXYSTEARATE	Insufficient data ingredient	1423155- 00-3	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	x
ETHYLHEXYL SALICYLATE	ETHYLHEXYL SALICYLATE		The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
ETHYLHEXYL STEARATE	ETHYLHEXYL STEARATE	22047-49 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 11%.	
ETHYLHEXYL TRIAZONE	ETHYLHEXYL TRIAZONE	88122-99 -0	The European Union limits this ingredient to a maximum concentration of 5% in all cosmetic products. Note, this ingredient is not a currently approved active by the FDA for use in U.S sunscreens.	
ETHYLHEXYLGLYCERIN	Ethylhexylglycerin	70445-33 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%.	
ETHYLPARABEN	Ethylparaben	120-47-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4% if used alone and 0.8% when used with a paraben mixture.	
ETHYLPARABEN	ETHYLPARABEN	120-47-8	Per COSING, the maximum concentration in RTU preparation is 0.4% (as acid) for single ester and 0.8% (as acid) for mixtures of esters.	
ETHYLPARABEN	ETHYLPARABEN	120-47-8	Per COSING, the maximum concentration in RTU preparation is 0.4% (as acid) for single ester and 0.8% (as acid) for mixtures of esters.	
ETIDRONIC ACID	ETIDRONIC ACID	2809-21- 4	The European Commission restricts this ingredient to a maximum concentration of 1.5% (as etidronic acid) in hair products, and 0.2% (as etidronic acid) in soap products.	
EUCALYPTOL	Eucalyptus globulus oil	470-82-6	The presence of the substance or substances shall be indicated as 'Eucalyptus Globulus Oil' in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
EUCALYPTUS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS (EUCALYPTUS GRANDIS) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS CITRIODORA	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS CITRIODORA (LEMON-SCENTED GUM) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	X
			products and products requiring dispersal in water.	

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EUCALYPTUS DIVES LEAF EXTRACT	Linalool, contact allergen for eczema products	90028-48 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS DIVES LEAF OIL	Linalool, contact allergen for eczema products	90028-48 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS GLOBULUS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS GLOBULUS (EUCALYPTUS) LEAF	EUCALYPTUS GLOBULUS (EUCALYPTUS) LEAF	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
EUCALYPTUS GLOBULUS (EUCALYPTUS) LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS GLOBULUS (EUCALYPTUS) LEAF OIL	EUCALYPTUS GLOBULUS (EUCALYPTUS) LEAF OIL	8000-48- 4	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.74% when formulated to be non-sensitizing.	
EUCALYPTUS GLOBULUS (EUCALYPTUS) LEAF OIL	Eucalyptus globulus oil	8000-48- 4	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be non-sensitizing up to a concentration of 0.74%.	
EUCALYPTUS GLOBULUS (EUCALYPTUS) LEAF OIL	Linalool, contact allergen for eczema products	8000-48- 4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS GLOBULUS (TASMANIAN BLUE GUM) LEAF EXTRACT	EUCALYPTUS GLOBULUS (TASMANIAN BLUE GUM) LEAF EXTRACT	84625-32 -1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.41% when formulated to be non-sensitizing.	
EUCALYPTUS GLOBULUS (TASMANIAN BLUE GUM) LEAF EXTRACT	Linalool, contact allergen for eczema products	84625-32 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS GLOBULUS LEAF WATER	EUCALYPTUS GLOBULUS LEAF WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
EUCALYPTUS GLOBULUS LEAF WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS GLOBULUS LEAF/TWIG OIL	EUCALYPTUS GLOBULUS LEAF/TWIG OIL	84625-32 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
EUCALYPTUS GLOBULUS LEAF/TWIG OIL	Eucalyptus globulus oil	84625-32 -1	The Cosmetic Ingredient Review panel concludes this substance is safe as used when formulated to be non-sensitizing up to a concentration of 0.74%.	
EUCALYPTUS MACROCARPA (MOTTLECAH) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS MACULATA CITRIODORA LEAF OIL	Linalool, contact allergen for eczema products	85203-56 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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EUCALYPTUS POLYBRACTEA (Blue Mallee) ESSENTIAL OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS POLYBRACTEA (Blue Mallee) Extract	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS RADIATA (EUCALYPTUS) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS RADIATA EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS RADIATA LEAF/STEM OIL	Linalool, contact allergen for eczema products	92201-64 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS RADIATA OIL	Linalool, contact allergen for eczema products	85203-56 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS SMITHII LEAF EXTRACT	Linalool, contact allergen for eczema products	91771-68- 5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS SMITHII LEAF OIL	Linalool, contact allergen for eczema products	91771-68- 5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS SPECIES LEAF EXTRACT	Linalool, contact allergen for eczema products	92502-70 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS SPECIES LEAF OIL	Linalool, contact allergen for eczema products	92502-70 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUCALYPTUS STAIGERIANA (EUCALYPTUS) ESSENTIAL OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLATA EXTRACT ACETYLATED	Eugenol, contact allergen for eczema products	91771-52- 7	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLATA EXTRACT/FORMALDEHYDE	Eugenol, contact allergen for eczema products	94333-73 -0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE)	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	

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EUGENIA CARYOPHYLLUS (CLOVE)	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
EUGENIA CARYOPHYLLUS (CLOVE) BUD	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) BUD	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) BUD	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE) BUD OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) BUD OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) BUD OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE) EXTRACT	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) EXTRACT	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER EXTRACT	Eugenia caryophyllus oil	84961-50 -2	The presence of the substance or substances shall be indicated as 'Eugenia Caryophyllus Oil' in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER EXTRACT	Eugenol	84961-50 -2	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER EXTRACT	Eugenol	84961-50 -2	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	

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EUGENIA CARYOPHYLLUS (CLOVE) FLOWER EXTRACT	Eugenol, contact allergen for eczema products	84961-50 -2	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER POWDER	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER POWDER	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) FLOWER POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE) LEAF EXTRACT	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) LEAF EXTRACT	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE) LEAF OIL	Eugenol	8000-34- 8	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) LEAF OIL	Eugenol	8000-34- 8	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) LEAF OIL	Eugenol, contact allergen for eczema products	8000-34- 8	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS (CLOVE) OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	

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EUGENIA CARYOPHYLLUS (CLOVE) OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS (CLOVE) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CARYOPHYLLUS STEM OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS STEM OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENIA CARYOPHYLLUS STEM OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CUMINI FRUIT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
EUGENIA CUMINI LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA CUMINI ROOT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA EDULIS FRUIT JUICE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
EUGENIA JAMBOLANA (JAMBUL) LEAVES	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
EUGENIA JAMBOS FRUIT JUICE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
EUGENIA OPERCULATA LEAF POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA UNIFLORA FRUIT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENIA UNIFLORA LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
EUGENIA UNIFLORA LEAF OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EUGENOL	Contact allergens for eczema products	97-53-0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	х
EUGENOL	Eugenol	97-53-0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENOL	Eugenol	97-53-0	Required Warning: The European Commission requires that the presence of this substance (Eugenol) be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EUGENOL	Eugenol	97-53-0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.2% in deodorants/antiperspirants, 0.5% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.5% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.4% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
EUGENOL	Eugenol	97-53-0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
EUGENOL	Eugenol	97-53-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.45% Category 2) 0.14% Category 3) 1.4% Category 4) 2.5% Category 5A) 0.64% Category 5B) 0.64% Category 5C) 0.64% Category 5D) 0.21% Category 6) 0.64% Category 7A) 1.4% Category 7B) 1.4% Category 8) 0.21% Category 9) 4.9% Category 10A) 4.9% Category 10B) 18% Category 11A) 0.21% Category 11B) 0.21% Category 12) No Restriction	
EUGENYL ACETATE	Phenol, 2-methoxy- 4-(2-propenyl)-, acetate	93-28-7	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
EUPHORBIA CERIFERA (CANDELILLA) WAX	EUPHORBIA CERIFERA (CANDELILLA) WAX	8006-44- 8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 27%.	
EUTERPE EDULIS JUICE EXTRACT	EUTERPE EDULIS JUICE EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
EUTERPE OLERACEA (ACAI) FRUIT EXTRACT	EUTERPE OLERACEA (ACAI) FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.38%.	
EUTERPE OLERACEA FRUIT OIL	EUTERPE OLERACEA FRUIT OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
EVERNIA FURFURACEA (TREEMOSS)	Contact allergens for eczema products	90028-67 -4	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	х
EVERNIA FURFURACEA (TREEMOSS)	EVERNIA FURFURACEA (OAKMOSS LICHEN) EXTRACT	90028-67 -4	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	Contact allergens for eczema products	90028-68 -5	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	x
EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	EVERNIA PRUNASTRI (RING LICHEN) EXTRACT	90028-68 -5	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	Oak moss extracts	90028-68 -5	According to the International Fragrance Association, this ingredient must not contain added tree moss. Additionally, dehydroabietic acid (DHA) must not exceed 0.1% in the extract, and the levels of atranol and chloroatranol should each be below 100ppm.	
EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	Oakmoss Extracts	90028-68 -5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.03% in deodorants/antiperspirants, 0.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.5% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 0.1% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	Oakmoss Extracts	90028-68 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.020% Category 2) 0.016% Category 3) 0.10% Category 4) 0.10% Category 5A) 0.076% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.076% Category 6) 0.18% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.032% Category 9) 0.10% Category 10A) 0.10% Category 10B) 0.10% Category 11A) 0.10% Category 11B) 0.10% Category 12) No Restriction	
EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	Oakmoss Extracts	90028-68 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.020% Category 2) 0.016% Category 3) 0.10% Category 4) 0.10% Category 5A) 0.076% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.076% Category 6) 0.18% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.032% Category 9) 0.10% Category 10A) 0.10% Category 10B) 0.10% Category 11A) 0.10% Category 11B) 0.10% Category 12) No Restriction	
Ext. D&C Violet No. 2 (CI 60730)	Ext. D&C Violet No. 2 (CI 60730)	4430-18- 6	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Ext. D&C Violet No. 2 (CI 60730)	Secondary and Tertiary Aromatic Amines (Aniline)	4430-18- 6	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
Ext. D&C Violet No. 2 (CI 60730)	Secondary and Tertiary Aromatic Amines (Nitrosamine)	4430-18- 6	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
Ext. D&C Yellow No. 7 (CI 10316)	Ext. D&C Yellow No. 7	846-70-8	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Ext. D&C Yellow No. 7 (CI 10316)	Ext. D&C Yellow No. 7	846-70-8	The European Commission prohibits use of this substance in eye products.	
Ext. D&C Yellow No. 7 (CI 10316)	Ext. D&C Yellow No. 7	846-70-8	This substance must contain <10 ppm 1naphthol, <20 ppm 2,4dinitro1naphthol, and <10 ppm lead.	
Ext. D&C Yellow No. 7 (CI 10316)	Ext. D&C Yellow No. 7 (CI 10316)	846-70-8	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Ext. D&C Yellow No. 7 (CI 10316)	Ext. D&C Yellow No. 7 (CI 10316)	846-70-8	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Ext. D&C Yellow No. 7 (CI 10316)	Ext. D&C Yellow No. 7 (CI 10316)	846-70-8	Per COSING, prohibited for use in eye products.	
Ext. D&C Yellow No. 7 (CI 10316) Lake	Color additives subject to batch certification	68698-86 -2	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
Ext. D&C Yellow No. 7 (CI 10316) Lake	Ext. D&C Yellow No. 7	68698-86 -2	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Ext. D&C Yellow No. 7 (CI 10316) Lake	Ext. D&C Yellow No. 7	68698-86 -2	The European Commission prohibits use of this substance in eye products.	
Ext. D&C Yellow No. 7 (CI 10316) Lake	Ext. D&C Yellow No. 7 (CI 10316) Lake	68698-86 -2	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Ext. D&C Yellow No. 7 (CI 10316) Lake	Ext. D&C Yellow No. 7 (CI 10316) Lake	68698-86 -2	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
fabric	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
FARNESAL	FARNESAL	19317-11- 4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.032 % Category 3) 0.11 % Category 4) 0.60 % Category 5A) 0.15 % Category 5B) 0.15 % Category 5C) 0.15 % Category 5D) 0.051 % Category 6) 0.11 % Category 7A) 0.34 % Category 7B) 0.34 % Category 8) 0.051 % Category 9) 0.57 % Category 10A) 0.57 % Category 10B) 4.2 % Category 11A) 0.051 % Category 11B) 0.051 % Category 12) No Restriction	
FARNESIANA	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
FARNESIANA	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
FARNESOL	Contact allergens for eczema products	4602-84- 0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	х
FARNESOL	Farnesol	4602-84- 0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
FARNESOL	Farnesol	4602-84- 0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.08% in lip products, 0.11% in deodorants/antiperspirants, 0.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2% in mouthwashes, breath sprays, and toothpastes, 0.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid scap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
FARNESOL	Farnesol	4602-84- 0	According to the International Fragrance Association, this ingredient may only be used if it contains a minimum of 96% of farnesol isomers.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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FARNESOL	Farnesol	4602-84- 0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.21 % Category 2) 0.062 % Category 3) 1.2 % Category 4) 1.2 % Category 5A) 0.29 % Category 5B) 0.29 % Category 5C) 0.29 % Category 5D) 0.29 % Category 6) 0.68 % Category 7A) 2.4 % Category 7B) 2.4 % Category 8) 0.12 % Category 9) 2.3 % Category 10A) 8.1 % Category 10B) 8.1 % Category 11A) 4.5 % Category 11B) 4.5 % Category 12) No Restriction; Farnesol should only be used as a fragrance ingredient if it contains a minimum of 96% of farnesol isomers as determined by GLC.	
Fatty acid methyl ester ethoxylates	Fatty Acid Methyl Ester Ethoxylates	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Fatty acids, coco, esters with sorbitan, ethoxylated	Fatty acids, coco, esters with sorbitan, ethoxylated	68154-33 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
FD&C Green No. 3 (CI 42053)	Secondary and Tertiary Aromatic Amines (Aniline)	2353-45- 9	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
FD&C Green No. 3 (CI 42053)	Secondary and Tertiary Aromatic Amines (Nitrosamine)	2353-45- 9	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
FD&C Green No. 3 (CI 42053) Lake	Secondary and Tertiary Aromatic Amines (Aniline)	2353-45- 9	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	x
FD&C Green No. 3 (CI 42053) Lake	Secondary and Tertiary Aromatic Amines (Nitrosamine)	2353-45- 9	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
FD&C Red No. 40 (CI 16035)	Color additives subject to batch certification	25956-17 -6	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
FD&C Red No. 40 (CI 16035)	CURRY RED/RED 40/RED 40 LAKE	25956-17 -6	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
FD&C Red No. 40 (CI 16035)	FD&C Red 40	25956-17 -6	Due to their link to carcinogenicity, this substance must contain less than 100 ppm total unsulfonated primary aromatic amines, including aniline, 6methoxymtoluidine, and 1napthylamine.	
FD&C Red No. 40 (CI 16035)	FD&C RED NO. 40	25956-17 -6	This substance must contain <2ppm lead, <1ppm mercury, and <1ppm cadmium.	
FD&C Red No. 40 (CI 16035)	FD&C RED NO. 40	25956-17 -6	This substance may not be exposed to oxidizing or reducing agents that could affect the integrity of the color additives or any other condition that may affect their integrity, in accordance with FDA regulations.	
FD&C Red No. 40 (CI 16035)	FD&C Red No. 40 (CI 16035)	25956-17 -6	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 129)	
FD&C Red No. 40 (CI 16035) Lake	Color additives subject to batch certification	25956-17 -6	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
FD&C Red No. 40 (CI 16035) Lake	CURRY RED/RED 40/RED 40 LAKE	25956-17 -6	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
FD&C Red No. 40 (CI 16035) Lake	FD&C Red 40	25956-17 -6	Due to their link to carcinogenicity, this substance must contain less than 100 ppm total unsulfonated primary aromatic amines, including aniline, 6methoxymtoluidine, and 1napthylamine.	
FD&C Red No. 40 (CI 16035) Lake	FD&C RED NO. 40	25956-17 -6	This substance must contain <2ppm lead, <1ppm mercury, and <1ppm cadmium.	
FD&C Red No. 40 (CI 16035) Lake	FD&C RED NO. 40	25956-17 -6	This substance may not be exposed to oxidizing or reducing agents that could affect the integrity of the color additives or any other condition that may affect their integrity, in accordance with FDA regulations.	
FD&C Yellow No. 5 (CI 19140)	FD&C Yellow 5	1934-21- 0	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine, <5 ppb 2aminobiphenyl, and <5 ppb 1naphthylamine.	
FD&C Yellow No. 5 (CI 19140)	FD&C Yellow 5	1934-21- 0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
FD&C Yellow No. 5 (CI 19140)	FD&C Yellow No. 5 (CI 19140)	1934-21- 0	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 102)	
FD&C Yellow No. 5 (CI 19140) Lake	FD&C Yellow 5	0	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine, <5 ppb 2aminobiphenyl, and <5 ppb 1naphthylamine.	
FD&C Yellow No. 5 (CI 19140) Lake	FD&C Yellow 5	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
FD&C Yellow No. 5 (CI 19140) Zirconium Lake	Color additives subject to batch certification	0	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
FD&C Yellow No. 5 (CI 19140) Zirconium Lake	FD&C Yellow 5	0	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine, <5 ppb 2aminobiphenyl, and <5 ppb 1naphthylamine.	
FD&C Yellow No. 5 (CI 19140) Zirconium Lake	FD&C Yellow 5	0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
FD&C Yellow No. 6 (CI 15985)	FD&C YELLOW NO. 6	0	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine.	
FD&C Yellow No. 6 (CI 15985)	FD&C Yellow No. 6 (CI 15985)	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
FD&C Yellow No. 6 (CI 15985) Lake	Color additives subject to batch certification	15790-07 -5	Color additives listed in Title 21 of the Code of Federal Regulations, Part 74, Subpart C must be batch certified by the FDA and conform to FDA nomenclature.	
FD&C Yellow No. 6 (CI 15985) Lake	FD&C YELLOW NO. 6	15790-07 -5	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine.	
FD&C Yellow No. 6 (CI 15985) Lake	FD&C Yellow No. 6 (CI 15985) Lake	15790-07 -5	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
FENTHION	Fenthion	55-38-9	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
FENTHION	Fenthion	55-38-9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
FENUGREEK	FENUGREEK	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
FENUGREEK ABSOLUTE	FENUGREEK ABSOLUTE	68990-15 -8	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
FERRIC ALUMINUM FERROCYANIDE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
FERRIC AMMONIUM FERROCYANIDE	FERRIC AMMONIUM FERROCYANIDE	25869-00 -5	Per the U.S. FDA., ferric ammonium ferrocyanide shall conform to the following specifications and shall be free of impurities other than those named to the extent that the other impurities may be avoided by good manufacturing practice: Oxalic acid or its salts, not more than 0.1 percent. Water soluble matter, not more than 3 percent. Water soluble cyanide, not more than 10 parts per million. Volatile matter, not more than 4 percent. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million. Nickel (as Ni), not more than 200 parts per million. Cobalt (as Co), not more than 100 parts per million. Mercury (as Hg), not more than 1 part per million. Total iron (as Fe corrected for volatile matter), not less than 33 percent and not more than 39 percent.	
FERRIC AMMONIUM FERROCYANIDE	FERRIC AMMONIUM FERROCYANIDE	25869-00 -5	Per COSING, this ingredient must be free from cyanide ions.	
FERRIC AMMONIUM FERROCYANIDE	Ferric Ammonium Ferrocyanide.	25869-00 -5	be free of cyanide.	
FERRIC CITRATE	FERRIC CITRATE	3522-50- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5% in rinseoff products.	
FERRIC FERROCYANIDE	FERRIC FERROCYANIDE	14038-43 -8	Per the U.S. FDA., ferric ferrocyanide shall conform to the following specifications and shall be free from impurities other than those named to the extent that such impurities may be avoided by good manufacturing practice: Water soluble cyanide, not more than 10 parts per million. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million. Nickel (as Ni), not more than 200 parts per million. Cobalt (as Co), not more than 200 parts per million. Mercury (as Hg), not more than 1 part per million. Oxalic acid, not more than 3 percent. Volatile matter, not more than 10 percent. Total iron (as Fe corrected for volatile matter), not less than 37 percent and not more than 45 percent.	
FERROCHROME	Chromium Compounds	11114-46- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
FERROUS FUMARATE	FERROUS FUMARATE	141-01-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.0003%.	
FERULIC ACID	FERULICACID	1135-24-6	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in rinseoff products (not applied to mucosa).	
FERULIC ACID	FERULICACID	1135-24-6	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
FERULIC ACID	FERULICACID	1135-24-6	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in leaveon products (not applied to mucosa).	
FIBROIN	FIBROIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
FIBROIN/PEG-16/SODIUM ACRYLATE COPOLYMER	Fibroin/peg16/sodium Acrylate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
FIBRONECTIN	Fibronectin	86088-83 -7	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
FIBRONECTIN	FIBRONECTIN	86088-83 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Firmenich Cassis Base 345 B	Citronellol, contact allergen for eczema products	00000-0 0-0	This ingredient contains Citronellol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
FLAVYLIUM, 3,3'4',5,7-PENTAHYDROXY-, CHLORIDE	FLAVYLIUM, 3,3'4',5,7-PENTAHYDROXY-, CHLORIDE	528-58-5	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E163)	
FLAVYLIUM, 3,4',5,7-TETRAHYDROXY-3',5'- DIMETHOXY-, ACID ANION	FLAVYLIUM, 3,4',5,7-TETRAHYDROXY-3', 5'-DIMETHOXY-, ACID ANION	10463-84 -0	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E163)	
FLAVYLIUM, 3,4',5,7-TETRAHYDROXY-3',5'- DIMETHOXY-, CHLORIDE	FLAVYLIUM, 3,4',5,7-TETRAHYDROXY-3', 5'-DIMETHOXY-, CHLORIDE	643-84-5	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E163)	
FLUORESCENT BRIGHTENER 230	Secondary and Tertiary Aromatic Amines (Aniline)	27344-06 -5	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	x
FLUORESCENT BRIGHTENER 230	Secondary and Tertiary Aromatic Amines (Nitrosamine)	27344-06 -5	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
FLUORIDE ION	Fluoride	16984-48 -8	Health Canada restricts the use of this ingredient to nonoral products.	
FLUORIDE ION	Fluoride containing substances	16984-48 -8	Health Canada prohibits fluoride containing substances in oral products. EXCEPTION: sodium fluoride, sodium monofluorophosphate, and stannous fluoride may be used in medicinal oral products, as defined by Health Canada, Oral Health Products Monograph.	
FLUOROSILICIC ACID	Silica, amorphous; silicate; borosilicate	16961-83- 4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
FLUOROSILICIC ACID	Silica, amorphous; silicate; borosilicate	16961-83- 4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
FOENICULUM VULGARE (FENNEL)	FOENICULUM VULGARE (FENNEL)	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
FOENICULUM VULGARE (FENNEL) EXTRACT	FOENICULUM VULGARE (FENNEL) EXTRACT	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
FOENICULUM VULGARE (FENNEL) FRUIT EXTRACT	FOENICULUM VULGARE (FENNEL) FRUIT EXTRACT	84625-39 -8	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
FOENICULUM VULGARE (FENNEL) OIL	FOENICULUM VULGARE (FENNEL) OIL	8006-84-	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
FOENICULUM VULGARE (FENNEL) ROOT EXTRACT	FOENICULUM VULGARE (FENNEL) ROOT EXTRACT	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
FOENICULUM VULGARE (FENNEL) SEED EXTRACT	FOENICULUM VULGARE (FENNEL) SEED EXTRACT	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
FOENICULUM VULGARE (FENNEL) SEEDS	FOENICULUM VULGARE (FENNEL) SEEDS	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
FOENICULUM VULGARE (FENNEL) TINCTURE	FOENICULUM VULGARE (FENNEL) TINCTURE	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
FOIN ABSOLUTE	Coumarin, contact allergen for eczema products	8031-00- 3	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
FORMALDEHYDE CYCLODECYL ETHYL ACETAL	FORMALDEHYDE CYCLODECYL ETHYL ACETAL	58567-11 -6	Based on IFRA standards, this ingredient is restricted based on IFRA categories. Category 1 - 0.27%; Category 2 - 0.080%; Category 3 - 1.6%; Category 4 - 1.5%; Category 5a - 0.38% ; Category 5b - 0.38% ; Category 5c - 0.38%; Category 5d - 0.13%; Category 6 - 0.49%; Category 7A and 7B - 3.1% ; Category 8 - 0.13%; Category 9 - 2.9%; Category 10a - 11%; Category 10b - 11%; Category 11A and 11B - 0.13%; Category 12 - no restriction	x
FORMIC ACID	Formic acid	64-18-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 64 ppm of free acid.	
Fragrance Test 1	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Fragrance Test 1	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
FRENCH GREEN CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
FRENCH PINK CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
FRUCTOSE	FRUCTOSE	57-48-7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 20%.	
FUCOIDAN, FROM FUCUS VESICULOSUS	Algae and related substances	9072-19- 9	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
FUCOSE	FUCOSE	2438-80- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
FUCUS SERRATUS	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
FUCUS SERRATUS EXTRACT	Algae and related substances	94167-02 -9	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
FUCUS SERRATUS EXTRACT	FUCUS SERRATUS	94167-02 -9	The Cosmetic Ingredient Review found this substance	
FUCUS SPIRALIS EXTRACT	FUCUS SPIRALIS EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
FUCUS VESICULOSIS (BLADDERWRACK) OIL	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
FUCUS VESICULOSUS	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
FUCUS VESICULOSUS	FUCUS VESICULOSUS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use. Should not exceed 5%.	
FUCUS VESICULOSUS EXTRACT	Algae and related substances	84696-13 -9	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
FUCUS VESICULOSUS EXTRACT	Fucus vesiculosus extract	84696-13 -9	The Cosmetic Igredient Review has determined this ingredient to be safe as used up to a concentration of 5%	
FUCUS VESICULOSUS POWDER	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm. mercury: 10pm. and arsenic: 3 ppm.	
FUCUS VESICULOSUS	FUCUS VESICULOSUS	0	The Cosmetic Ingredient Review found this substance	
FUMARIC ACID	fumaric acid	110-17-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
FURFURACEA (TREEMOSS) EXTRACT	Contact allergens for eczema products	90028-67 -4	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	Х
FURFURACEA (TREEMOSS) EXTRACT	EVERNIA FURFURACEA (OAKMOSS LICHEN) EXTRACT	90028-67 -4	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
FURFURACEA (TREEMOSS) EXTRACT	FURFURACEA (TREEMOSS) EXTRACT	90028-67 -4	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
FURFURACEA (TREEMOSS) EXTRACT	Treemoss Extracts	90028-67 -4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.03% in deodorants/antiperspirants, 0.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.5% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 0.1% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
FURFURACEA (TREEMOSS) EXTRACT	Treemoss Extracts	90028-67 -4	The International Fragrance Association restricts the dehydroabietic acid (DHA) concentration of this ingredient to a maximum of 0.8% in the extract, and the levels of atranol and chloroatranol should each be below 100ppm.	
FURFURACEA (TREEMOSS) EXTRACT	Treemoss Extracts	90028-67 -4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.020% Category 2) 0.016% Category 3) 0.10% Category 4) 0.10% Category 5A) 0.076% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.076% Category 6) 0.18% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.032% Category 9) 0.10% Category 10A) 0.10% Category 10B) 0.10% Category 11A) 0.10% Category 11B) 0.10% Category 12) No Restriction	
FUSEL WHEAT BRAN/STRAW GLYCOSIDES	Insufficient data ingredient	0	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	x
GALACTOSE, D-	GALACTOSE, D-	59-23-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GALACTOSYL FRUCTOSE	GALACTOSYL FRUCTOSE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GALACTURONIC ACID	GALACTURONIC ACID	552-12-5	The Cosmetic Ingredient Review found this substance	
GAMMA TOCOPHEROLS	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of	
gamma-TERPINENE	GAMMATERPINENE	99-85-4	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
GARCINIA INDICA SEED BUTTER	GARCINIA INDICA SEED BUTTER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
GAS OILS, HYDROTREATED	Gas oils, hydrotreated	97862-78 -7	The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
GAS OILS, PARAFFINIC	Gas oils, paraffinic	93924-33 -5	The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
GASES (PETROLEUM, LIGHT STEAM-CRACKED, BUTADIENE CONC.	GASES (PETROLEUM, LIGHT STEAMCRACKED, BUTADIENE CONC.	68955-28 -2	The European Commission bans this ingredient from use in cosmetics if it contains over 0.1% w/w Butadiene	
GELATIN	GELATIN	9000-70- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GELATIN/LYSINE/POLYACRY LAMIDE HYDROXYPROPYLTRIMONIU M CHLORIDE	GELATIN/LYSINE/POLYAC RYLAMIDE HYDROXYPROPYLTRIMON IUM CHLORIDE	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
GELIDIELLA ACEROSA (RED MAPLEWEED) EXTRACT	GELIDIELLA ACEROSA (RED MAPLEWEED) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GELIDIUM CARTILAGINEUM (RED ALGAE) EXTRACT	Algae and related substances	94945-01 -4	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
GELLAN GUM	GELLAN GUM	71010-52 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
Genet absolute (Spartium junceum L.)	Geraniol, contact allergen for eczema products	90131-21- 8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
GEOGARD 361	BENZETHONIUMCHLORID E	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products (not applied to mucosa).	
GEOGARD 361	BENZETHONIUMCHLORID E	0	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
GEOGARD 361	BENZETHONIUMCHLORID E	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.2% in leaveon products (not applied to mucosa).	
GEOGARD 361	Benzoic acid	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
GEOGARD 361	benzyl alcohol	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
GEOGARD 361	DEHYDROACETIC ACID	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.	
GEOGARD 361	Phenoxyethanol	0	The Cosmetic Ingredient Review has determined that Phenoxyethanol (a component of several branded preservatives) is safe as used up to a concentration of 1%.	
GEOGARD 361	Phenoxyethanol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 1%.	
GEOGARD 361	Salicylic acid	0	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
GEOGARD 361	SALICYLICACID	0	Health Canada restricts this ingredient to a maximum concentration of 2%.	
GEOGARD 361	SALICYLICACID	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.2%.	
GEOGARD ULTRA	Sodium benzoate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
GERANIAL	citral	141-27-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.05% in deodorants/antiperspirants, 0.2% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.6% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.3% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.4% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
GERANIAL	citral	141-27-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.032 % Category 3) 0.10 % Category 4) 0.60 % Category 5A) 0.15 % Category 5B) 0.15 % Category 5C) 0.15 % Category 5D) 0.051 % Category 6) 0.35 % Category 7A) 0.20 % Category 7B) 0.20 % Category 8) 0.051 % Category 9) 1.2 % Category 10A) 1.2 % Category 10B) 4.2 % Category 11A) 0.051 % Category 11B) 0.051 % Category 12) No Restriction	
GERANIOL	Contact allergens for eczema products	106-24-1	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
GERANIOL	Geraniol	106-24-1	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
GERANIOL	Geraniol	106-24-1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.3% in lip products, 0.4% in deodorants/antiperspirants, 1.8% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 5.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 2.8% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 8.6% in mouthwashes, breath sprays, and toothpastes, 0.9% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
GERANIOL	Geraniol	106-24-1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.85 % Category 2) 0.25 % Category 3) 5.1 % Category 4) 4.7 % Category 5A) 1.2 % Category 5B) 1.2 % Category 5C) 1.2 % Category 5D) 1.2 % Category 6) 2.8 % Category 7A) 9.6 % Category 7B) 9.6 % Category 8) 0.50 % Category 9) 9.2 % Category 10A) 33 % Category 10B) 33 % Category 11A) 18 % Category 11B) 18 % Category 12) No Restriction	
Geranium oil, saponified	Citronellol	68916-43 -8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.8% in lip products, 1.1% in deodorants/antiperspirants, 4.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 13.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 21.4% in mouthwashes, breath sprays, and toothpastes, 2.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
Geranium oil, saponified	Geraniol, contact allergen for eczema products	68916-43 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Geranium oil, saponified	Linalool, contact allergen for eczema products	68916-43 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
GERANYL ACETATE	2,6-Octadien-1-ol, 3,7-dimethyl- ,1-acetate, (2E);GERANYL ACETATE	105-87-3	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
GERMABEN II	Methylparaben	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4% when used alone and 0.8% when used with a paraben mixture.	
GEVUINA AVELLANA OIL	GEVUINA AVELLANA OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
GEVUINA AVELLANA SEED OIL	GEVUINA AVELLANA SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
GHATTI GUM	GHATTI GUM	9000-28- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GIGARTINA PAPILLATA (RED ALGAE)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
GINGER EXTRACT, BLACK	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
GLACIAL BAY MARINE CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
GLACIAL CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
GLUCANASE, BETA-	Betaglucanase	9074-98- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
GLUCONIC ACID	GLUCONIC ACID	133-42-6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.18%.	
GLUCONOLACTONE	GLUCONOLACTONE	90-80-2	The Cosmetic Ingredient Review concluded this ingredient is safe as used at concentrations < 15%	Х
GLUCOSYLRUTIN	Contact allergens for eczema products	130603-7 1-3	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	х
GLUTAMIC ACID	GLUTAMIC ACID	56-86-0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
GLUTAMIC ACID, ZINC SALT, DL-	GLUTAMIC ACID, ZINC SALT, DL	1949-15-1	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
GLUTAMIC ACID, ZINC SALT,	ZINC GLUTAMATE	1949-15-1	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc)	
GLUTAMINE	GLUTAMINE	56-85-9	The Cosmetic Ingredient Review found this substance was safe as used at 0.005%	
GLUTARAL	Glutaral	111-30-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5% in rinseoff products, and may not be used in aerosol products. Additionally, CIR concluded there were insufficient data to assess safety of use in leave-on products; therefore, it may not be used in leave-on products.	
GLUTARAL	Glutaraldehyde	111-30-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
GLUTARAL	Glutaraldehyde (Pentane1,5dial)	111-30-8	(*) The European Commission restricts this ingredient to a maximum concentration of 0.10%	
GLYCERETH-12	GLYCERETH-12	31694-55 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
GLYCERETH-18	GLYCERETH-18	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
GLYCERETH-20	GLYCERETH-20	31694-55 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
GLYCERETH-26	GLYCERETH-26	31694-55 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 39.5% when formulated to be non-irritating.	

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GLYCERETH-26	Glycereth26	31694-55 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
GLYCERETH-31	GLYCERETH-31	31694-55 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
GLYCERETH-7	GLYCERETH-7	31694-55 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
GLYCERETH-7 BENZOATE	Benzoate	139247-2 8-2	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
GLYCERIN	Glycerin	56-81-5	Health Canada requires manufacturers of oral and leaveon products containing glycerin to ensure the raw material used is within the specifications of an accepted pharmacopoeia with respect to diethylene glycol (DEG) impurities.	
GLYCERYL ACETATE	GLYCERYL ACETATE	26446-35 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL CAPRATE	GLYCERYL CAPRATE	26402-22 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%.	
GLYCERYL CAPRYLATE	GLYCERYL CAPRYLATE	26402-26 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 12%.	
GLYCERYL CITRATE/LACTATE/LINOLEA TE/OLEATE	GLYCERYL CITRATE/LACTATE/LINOL EATE/OLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL COCOATE/CITRATE/LACTATE	GLYCERYL COCOATE/CITRATE/LACTA TE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL DIMALTODEXTRIN	GLYCERYL DIMALTODEXTRIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL ETHYLHEXANOATE/ STEARATE/ ADIPATE	GLYCERYL ETHYLHEXANOATE/ STEARATE/ ADIPATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL HEPTANOATE	GLYCERYL HEPTANOATE	26402-24 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL MONOSTEARATE	GLYCERYL MONOSTEARATE	31566-31- 1	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 18.9%.	
GLYCERYL MYRISTATE	GLYCERYL MYRISTATE	589-68-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
GLYCERYL OLEATE/ELAIDATE	GLYCERYL OLEATE/ELAIDATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL OLIVATE	GLYCERYL OLIVATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL PALMITOLEATE	GLYCERYL PALMITOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL POLYACRYLATE	GLYCERYL POLYACRYLATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
GLYCERYL SESQUIOLEATE	GLYCERYL SESQUIOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL STARCH	GLYCERYL STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL STEARATE CITRATE	GLYCERYL STEARATE CITRATE	55840-13 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4% provided that the content of 1,2-diesters is not high enough to induce epidermal hyperplasia.	
GLYCERYL STEARATE SE	GLYCERYL STEARATE SE	11099-07 -3	The Cosmetics Ingredient Review panel concludes that this substance is safe as used up to a concentration of 10%.	

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GLYCERYL STEARATE/ PEG-100 STEARATE	Glyceryl Stearate/ Peg100 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
GLYCERYL STEARATE/ACETATE	GLYCERYL STEARATE/ACETATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
GLYCERYL STEARATE/MALATE	GLYCERYL STEARATE/MALATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL TRIACETYL HYDROXYSTEARATE	GLYCERYL TRIACETYL HYDROXYSTEARATE	27233-00 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 20%.	
GLYCERYL TRIACETYL RICINOLEATE	GLYCERYL TRIACETYL RICINOLEATE	101-34-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 49%.	
GLYCERYL TRIPALMATE/PALM KERNELATE/OLIVATE/MACA DAMIATE/RAPESEEDAT E	GLYCERYL TRIPALMATE/PALM KERNELATE/OLIVATE/MA CADAMIATE/RAPESEEDAT E	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCERYL UNDECYL DIMETHICONE	GLYCERYL UNDECYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
GLYCERYL UNDECYL DIMETHICONE	GLYCERYL UNDECYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
GLYCINE	GLYCINE	56-40-6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 4%.	
GLYCINE SOJA (SOYBEAN) FLOUR	GLYCINE SOJA (SOYBEAN) FLOUR	68513-95 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCINE SOJA (SOYBEAN) GERM EXTRACT	GLYCINE SOJA (SOYBEAN) GERM EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCINE SOJA (SOYBEAN) LIPIDS	GLYCINE SOJA (SOYBEAN) LIPIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCINE SOJA (SOYBEAN) OIL UNSAPONIFIABLES	GLYCINE SOJA (SOYBEAN) OIL UNSAPONIFIABLES	91770-67 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.2%	
GLYCINE SOJA (SOYBEAN) PHYTOPLACENTA EXTRACT	GLYCINE SOJA (SOYBEAN) PHYTOPLACENTA EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCINE SOJA (SOYBEAN) SEED	GLYCINE SOJA (SOYBEAN) SEED	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCINE SOJA (SOYBEAN) SEED EXTRACT	GLYCINE SOJA (SOYBEAN) SEED EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
GLYCINE SOJA (SOYBEAN) SPROUT EXTRACT	GLYCINE SOJA (SOYBEAN) SPROUT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCINE SOJA PROTEIN	GLYCINE SOJA PROTEIN	9010-10- 0	The Cosmetic Ingredient Review found this substance	
GLYCOFUROL	Glycofurol	31692-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
GLYCOL DIBEHENATE	GLYCOL DIBEHENATE	79416-55 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCOL	GLYCOL	0	The Cosmetic Ingredient Review found this substance	
		624 04 4	was safe as used at the reported concentrations of use.	
GLICOL DILAURATE	GLICOL DILAURATE	024-04-4	was safe as used at the reported concentrations of use.	

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GLYCOL DIMETHACRYLATE/VINYL ALCOHOL CROSSPOLYMER	GLYCOL DIMETHACRYLATE/VINYL ALCOHOL CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
GLYCOL DIMETHACRYLATE/VINYL ALCOHOL CROSSPOLYMER	GLYCOL DIMETHACRYLATE/VINYL ALCOHOL CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
GLYCOL DIOLEATE	GLYCOL DIOLEATE	0	The Cosmetic Ingredient Review found this substance	
GLYCOL DIPALMATE/PALM KERNELATE/OLIVATE/MACA DAMIATE	GLYCOL DIPALMATE/PALM KERNELATE/OLIVATE/MA CADAMIATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCOL DIPIVALATE	GLYCOL DIPIVALATE	20267-20 -3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCOL DISTEARATE	Glycol distearate	627-83-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 9%.	
GLYCOL DITALLOWATE	GLYCOL DITALLOWATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCOL STEARATE	GLYCOL STEARATE	111-60-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
GLYCOL STEARATE SE	GLYCOL STEARATE SE	86418-55 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	
GLYCOLIC ACID	Glycolic Acid	79-14-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 at final formulation when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
GLYCOLIC ACID	GLYCOLICACID	79-14-1	Health Canada restricts this ingredient to a maximum concentration of 10% and a minimum pH of 3.5. Additionally, preparations containing concentrations of AHAs between 10% and 30% or a pH between 3.0 to 3.5 may be permitted for professional use if the manufacturer provides Health Canada with evidence of their safety including pH levels, AHA concentrations, directions for use, and clinical studies demonstrating minimal skin irritation. Preparations intended to be diluted in bath water may contain levels of citric acid exceeding 10%. Required Warning: Health Canada requires the following on the product label/package in all skin products containing AHAs at concentrations equal to or greater than 3%: 'Use only as directed'; 'Avoid contact with the eyes'; 'If irritation persists, discontinue use and consult a physician'; 'It is recommended that prior to exposure to the sun, users cover areas where AHAs have been applied with sunscreen'; 'Contact of the product with the skin must be of limited frequency or duration.'	
GLYCOLIC ACID POLYMER	Glycolic Acid	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 at final formulation when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
GLYCOLIC ACID POLYMER	GLYCOLICACID	0	Health Canada restricts this ingredient to a maximum concentration of 10% and a minimum pH of 3.5. Additionally, preparations containing concentrations of AHAs between 10% and 30% or a pH between 3.0 to 3.5 may be permitted for professional use if the manufacturer provides Health Canada with evidence of their safety including pH levels, AHA concentrations, directions for use, and clinical studies demonstrating minimal skin irritation. Preparations intended to be diluted in bath water may contain levels of citric acid exceeding 10%. Required Warning: Health Canada requires the following on the product label/package in all skin products containing AHAs at concentrations equal to or greater than 3%: 'Use only as directed'; 'Avoid contact with the eyes'; 'If irritation persists, discontinue use and consult a physician'; 'It is recommended that prior to exposure to the sun, users cover areas where AHAs have been applied with sunscreen'; 'Contact of the product with the skin must be of limited frequency or duration.'	
GLYCOLIC ACID, CALCIUM SALT	CALCIUM GLYCOLATE	26257-13- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
GLYCOLIC ACID, ETHYL ESTER	ETHYL GLYCOLATE	623-50-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
Glycols, 1,2-, C12-16, ethoxylated propoxylated	Glycols, 1,2, C1216, ethoxylated propoxylated	154248-9 8-3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
GLYCOPROTEINS	Glycoprotein	66455-27 -4	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
GLYCOSAMINOGLYCANS	Glycosaminoglycans	94945-04 -7	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
GLYCOSPHINGOLIPIDS	Glycosphingolipids	0	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
GLYCYRRHETINIC ACID	GLYCYRRHETINIC ACID	471-53-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: pesticides/PCB, toxic metals, and heavy metals	
GLYCYRRHETINYL STEARATE	GLYCYRRHETINYL STEARATE	4827-59- 2	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: pesticides/PCBs, toxic metals, and heavy metals.	
GLYCYRRHIZA GLABRA (LICORICE)	GLYCYRRHIZA GLABRA (LICORICE)	68916-91- 6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.4%.	
GLYCYRRHIZA GLABRA (LICORICE) ROOT	GLYCYRRHIZA GLABRA (LICORICE) ROOT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
GLYCYRRHIZA GLABRA (LICORICE) ROOT EXTRACT	GLYCYRRHIZA GLABRA (LICORICE) ROOT EXTRACT	84775-66	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
GLYCYRRHIZA GLABRA (LICORICE) ROOT EXTRACT (Glabridin Flavone)	GLYCYRRHIZA GLABRA (LICORICE) ROOT EXTRACT	84775-66 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
GLYCYRRHIZA URALENSIS (LICORICE) ROOT EXTRACT	GLYCYRRHIZA URALENSIS (LICORICE) ROOT EXTRACT	68916-91- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
GLYCYRRHIZINIC ACID	GLYCYRRHIZIC ACID	1405-86- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: pesticides/PCB, toxic metals, and heavy metals	
GOLD	Gold	0	The European Commission restricts the silver and copper contents of this ingredient to maximum concentrations of 7% and 4%, respectively.	
GOLD (CI 77480)	Gold	7440-57- 5	The European Commission restricts the silver and copper contents of this ingredient to maximum concentrations of 7% and 4%, respectively.	
GOLD (CI 77480)	GOLD (CI 77480)	7440-57- 5	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E175)	
GOSSYPIUM HERBACEUM (COTTON)	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
GOSSYPIUM HERBACEUM (COTTON) SEED OIL	COTTONSEED (GOSSYPIUM) OIL	8001-29- 4	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: gossypol, heavy metals, and pesticides.	
GOSSYPIUM HERBACEUM (COTTON) SEED OIL	gossypium (cotton) seed oil	8001-29- 4	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: gossypol, heavy metals, and pesticides.	
GRAPE SEED OIL PEG-8 ESTERS	GRAPE SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
GRAPE SEED OIL PEG-8 ESTERS	Grape Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
GRAPHITE	CLAYS AND MINERALS	7782-42- 5	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
GREEN CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
GUANIDINE, N-CYANO-N'-METHYL-N"-(2-( ((5-METHYL-1H-IMIDAZOL-4- YL)METHYL)THIO)ETHYL)-	Cimetidine	51481-61 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
GUAR HYDROXYPROPYLTRIMONIU M CHLORIDE	GUAR HYDROXYPROPYLTRIMON IUM CHLORIDE	65497-29 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
GUAR HYDROXYPROPYLTRIMONIU M CHLORIDE	GUAR HYDROXYPROPYLTRIMON IUM CHLORIDE	65497-29 -2	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%	
GUM KARAYA	GUM KARAYA	9000-36- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HAEMATOCOCCUS PLUVIALIS (ALGAE) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
ΗΑΚΚΑ Υυ	MENTHA PIPERITA (PEPPERMINT) OIL	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HALIDRYS SILIQUOSA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HALIDRYS SILIQUOSA EXTRACT	HALIDRYS SILIQUOSA EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
Halogen Containing Mineral Acid	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
HALOPTERIS SCOPARIA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HALOPTERIS SCOPARIA EXTRACT	HALOPTERIS SCOPARIA EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) BARK EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) BARK EXTRACT	0	The Cosmetic Igredient Review panel has determined this ingredient to be safe as used when formulated to be nonirritating and nonsensitizing up to a concentration of 4.3%.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) BARK EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	0	This substance may not be produced with, or contain detectable levels of, cyclopentasiloxane.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) BARK EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	0	This substance must contain contain less than 20 ppm heavy metal, 10 ppm lead, 2 ppm arsenic, and 1 ppm cadmium	
HAMAMELIS VIRGINIANA (WITCH HAZEL) BARK EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	0	Products containing this substance must not contain detectable levels of phenol.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	84696-19 -5	This substance may not be produced with, or contain detectable levels of, cyclopentasiloxane.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	84696-19 -5	This substance must contain contain less than 20 ppm heavy metal, 10 ppm lead, 2 ppm arsenic, and 1 ppm cadmium	
HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	84696-19 -5	The Cosmetic Igredient Review panel has determined this ingredient to be safe as used when formulated to be nonirritating and nonsensitizing up to a concentration of 1.8%.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	84696-19 -5	Products containing this substance must not contain detectable levels of phenol.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	84696-19 -5	Products containing this substance must contain less than 0.01% safrole.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) LEAF EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) BARK EXTRACT	84696-19 -5	The Cosmetic Igredient Review panel has determined this ingredient to be safe as used when formulated to be nonirritating and nonsensitizing up to a concentration of 4.3%.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) LEAF EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	84696-19 -5	This substance may not be produced with, or contain detectable levels of, cyclopentasiloxane.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) LEAF EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	84696-19 -5	This substance must contain contain less than 20 ppm heavy metal, 10 ppm lead, 2 ppm arsenic, and 1 ppm cadmium	
HAMAMELIS VIRGINIANA (WITCH HAZEL) LEAF EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) EXTRACT	84696-19 -5	Products containing this substance must not contain detectable levels of phenol.	
HAMAMELIS VIRGINIANA (WITCH HAZEL) LEAF EXTRACT	HAMAMELIS VIRGINIANA (WITCH HAZEL) LEAF EXTRACT	84696-19 -5	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.011%	
HAMAMELIS VIRGINIANA (WITCH HAZEL) WATER	HAMAMELIS VIRGINIANA (WITCH HAZEL) WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <43%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HASLEA OSTREARIA (BLUE ALGAE) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HAZEL SEED OIL PEG-8 ESTERS	HAZEL SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
HAZEL SEED OIL PEG-8 ESTERS	Hazel Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HC BLUE 2	HC BLUE 2	33229-34 -4	Per European restrictions, prohibited for use in hair dye products.	
HC BLUE 2	Secondary and Tertiary Aromatic Amines (Aniline)	33229-34 -4	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	x
HC BLUE 2	Secondary and Tertiary Aromatic Amines (Nitrosamine)	33229-34 -4	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	x
HC BLUE NO. 11	1-[(2'-Methoxye thyl)amino]-2-nitro- 4-[di-(2'-hydroxye thyl)amino]ben zene	23920-15 -2	The European Commission restricts this ingredient to a maximum concentration in non-oxidative hair dye products is 2.0%. Cannot be used with nitro sating agents and maximum nitrosamine content: 50 µg /kg. Keep in nitrite-free containers.	
HC BLUE NO. 11	HC BLUE NO. 11	23920-15 -2	The European Commission restricts this ingredient to a maximum concentration of 2.0% in nonoxidative hair dye products. Additionally, this substance cannot be used with nitrosating systems, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
HC BLUE NO. 11	HC BLUE NO. 11	23920-15 -2	Per European restrictions, prohibited for use in hair dye products.	
HC BLUE NO. 12	HC BLUE NO. 12	132885-8 5-9	Per European restrictions, prohibited for use in hair dye products.	
HC BLUE NO. 12	Secondary and Tertiary Aromatic Amines (Aniline)	132885-8 5-9	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
HC BLUE NO. 12	Secondary and Tertiary Aromatic Amines (Nitrosamine)	132885-8 5-9	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
HC BLUE NO. 14	HC BLUE NO. 14	99788-75 -7	Per European restrictions, prohibited for use in hair dye products.	
HC BLUE NO. 14	Secondary and Tertiary Aromatic Amines (Aniline)	99788-75 -7	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
HC BLUE NO. 14	Secondary and Tertiary Aromatic Amines (Nitrosamine)	99788-75 -7	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HC ORANGE NO. 2	HC ORANGE NO. 2	85765-48 -6	The European Commission restricts this ingredient to a maximum concentration of 1.0% in nonoxidative hair dye products. Additionally, this substance cannot be used with nitrosating systems, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colourants can cause severe allergic reactions'; 'Read and follow instructions'	
HC ORANGE NO. 2	HC ORANGE NO. 2	85765-48 -6	Per European restrictions, prohibited for use in hair dye products.	
HC RED NO. 11	HC RED NO. 11	95576-92 -4	The European Commission restricts this ingredient to a maximum concentration of 1.0% applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 1.0% in nonoxidative hair dye products. Additionally, this substance cannot be used with nitrosating agents, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colourants can cause severe allergic reactions'; 'Read and follow instructions'	
HC RED NO. 11	HC RED NO. 11	95576-92 -4	Per European restrictions, prohibited for use in hair dye products.	
HC RED NO. 13	HC RED NO. 13	94158-13 -1	The European Commission restricts this ingredient to a maximum concentration of 1.25% (as hydrochloride) applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 2.5% (as hydrochloride) in nonoxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colourants can cause severe allergic reactions'. 'Bead and follow instructions'	
HC RED NO. 13	HC RED NO. 13	94158-13 -1	Per European restrictions, prohibited for use in hair dye products	
HC RED NO. 7	HC RED NO. 7	24905-87 -1	The European Commission restricts this ingredient to a maximum concentration of 1.0% in nonoxidative hair dye products. Additionally, this substance cannot be used with nitrosating agents, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colorants can cause severe allergic reactions.'	
HC RED NO. 7	HC RED NO. 7	24905-87 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HC RED NO. 7	HC RED NO. 7	24905-87 -1	Per European restrictions, prohibited for use in hair dye products.	
HC VIOLET NO. 2	1-Propanol, 3-[[4-[bis(2-hydroxyethyl)a mino]-2-nitrophenyl]amino]	104226-1 9-9	The European Commission restricts this ingredient to a maximum concentration of 2.0% in non-oxidative hair dye products. Do not use with nitrosating agents and maximum nitrosamine content: 50 µg /kg. Keep in nitrite-free containers. Label should include "Can cause allergic reaction"	
HC VIOLET NO. 2	HC VIOLET NO. 2	104226-1 9-9	Per European restrictions, prohibited for use in hair dye products.	
HC VIOLET NO. 2	Secondary and Tertiary Aromatic Amines (Aniline)	104226-1 9-9	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
HC VIOLET NO. 2	Secondary and Tertiary Aromatic Amines (Nitrosamine)	104226-1 9-9	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
HC YELLOW 4	HC YELLOW 4	59820-43 -8	Per European restrictions, prohibited for use in hair dye products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HC YELLOW 4	Secondary and Tertiary Aromatic Amines (Aniline)	59820-43 -8	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	x
HC YELLOW 4	Secondary and Tertiary Aromatic Amines (Nitrosamine)	59820-43 -8	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	x
HC YELLOW NO. 10	HC YELLOW NO. 10	109023-8 3-8	The European Commission restricts this ingredient to a maximum concentration of 0.1% in nonoxidative hair dye products. Additionally, this substance cannot be used with nitrosating agents, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
HC YELLOW NO. 10	HC YELLOW NO. 10	109023-8 3-8	Per European restrictions, prohibited for use in hair dye products.	
HC YELLOW NO. 7	HC YELLOW NO. 7	0	The European Commission restricts this ingredient to a maximum concentration of 0.25% in nonoxidative hair dye products.	
HC YELLOW NO. 7	HC YELLOW NO. 7	0	Per European restrictions, prohibited for use in hair dye products.	
HC YELLOW NO. 9	HC YELLOW NO. 9	86419-69 -4	Per European restrictions, prohibited for use in hair dye products.	
HC YELLOW NO. 9	Secondary and Terflary Aromatic Amines (Aniline)	86419-69 -4	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	x
HC YELLOW NO. 9	Secondary and Tertiary Aromatic Amines (Nitrosamine)	86419-69 -4	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
HDI/ TRIMETHYLOL HEXYLLACTONE CROSSPOLYMER	HDI/ TRIMETHYLOL HEXYLLACTONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 31%	
HDI/PPG/POLYCAPROLACTO NE CROSSPOLYMER	HDI/PPG/POLYCAPROLAC TONE CROSSPOLYMER	302791-9 5-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HECTORITE	CLAYS AND MINERALS	12173-47- 6	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
HECTORITE	HECTORITE	12173-47- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15% (up to 100% in skin cleansers).	
HEILMOOR CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
HELIANTHUS ANNUUS (SUNFLOWER)	HELIANTHUS ANNUUS (SUNFLOWER)	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL UNSAPONIFIABLES	HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL UNSAPONIFIABLES	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
HELICHRYSUM (STRAWFLOWER)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM (STRAWFLOWER)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	X
			products and products requiring dispersal in which	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HELICHRYSUM (STRAWFLOWER) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM (STRAWFLOWER) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ANGUSTIFOLIUM (EVERLASTING) WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
HELICHRYSUM ANGUSTIFOLIUM (EVERLASTING) WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ARENARIUM EXTRACT	Geraniol, contact allergen for eczema products	85665-35 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ARENARIUM EXTRACT	Linalool, contact allergen for eczema products	85665-35 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
HELICHRYSUM ARENARIUM FLOWERS	Geraniol, contact allergen for eczema products	12737-54 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ARENARIUM FLOWERS	Linalool, contact allergen for eczema products	12737-54 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM GYMNOCEPHALUM (RAMBIAZINA MADAGASCAR) FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM GYMNOCEPHALUM (RAMBIAZINA MADAGASCAR) FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ITALICUM (EVERLASTING)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ITALICUM (EVERLASTING)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ITALICUM (EVERLASTING) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	90045-56 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ITALICUM (EVERLASTING) FLOWER EXTRACT	Linalool, contact allergen for eczema products	90045-56 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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HELICHRYSUM ITALICUM (EVERLASTING) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
HELICHRYSUM ITALICUM (EVERLASTING) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM ITALICUM (EVERLASTING) OIL	Geraniol, contact allergen for eczema products	90045-56 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
HELICHRYSUM ITALICUM (EVERLASTING) OIL	Linalool, contact allergen for eczema products	90045-56 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM SPLENDIDUM OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM SPLENDIDUM OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM STOECHAS EXTRACT	Geraniol, contact allergen for eczema products	91845-22 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM STOECHAS EXTRACT	Linalool, contact allergen for eczema products	91845-22 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
HELICHRYSUM STOECHAS FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HELICHRYSUM STOECHAS FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HEMATITE	HEMATITE	1317-60- 8	Per the U.S. FDA., iron oxides shall conform to the following specifications, all on an "as is" basis: Arsenic (as As), not more than 3 parts per million. Lead (as Pb), not more than 10 parts per million. Mercury (as Hg), not more than 3 parts per million.	
HEMICELLULASE, FROM ASPERGILLUS NIGER	Hemicellulase (from Aspergillus niger)	9025-56- 3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
HEXADECANOLIDE	Oxacyclohepta- decan-2-one	109-29-5	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
HEXAMIDINE DIISETHIONATE	Benzenecarboximidamide, 4,4'(1,6hexanediylbis(oxy))b is, and its salts (including isothionate and phydroxybenzoate)	659-40-5	(*) The European Commission restricts this ingredient to a maximum concentration of 0.10%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HEXAMIDINE DIISETHIONATE	HEXAMIDINE DIISETHIONATE	659-40-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane.	
HEXAMIDINE PARABEN	Benzenecarboximidamide, 4,4'(1,6hexanediylbis(oxy))b is, and its salts (including isothionate and phydroxybenzoate)	93841-83 -9	(*) The European Commission restricts this ingredient to a maximum concentration of 0.10%	
HEXANEDIOL	HEXANEDIOL	629-11-8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.5%.	
HEXANEDIOL DISTEARATE	HEXANEDIOL DISTEARATE	26730-92 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HEXAPEPTIDE-12	HEXAPEPTIDE-12	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HEXETIDINE	5Pyrimidinamine, 1,3bis(2ethylhexyl)hexahydr o5methyl	141-94-6	(*) The European Commission restricts this ingredient to a maximum concentration of 0.10%	
HEXYL BENZOATE	Benzoate	6789-88- 4	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
HEXYL CINNAMAL	Contact allergens for eczema products	101-86-0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	Х
HEXYL CINNAMAL	HEXYL CINNAMAL	101-86-0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
HEXYL CINNAMAL	αHexyl cinnamic aldehyde	101-86-0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.7% in lip products, 0.9% in deodorants/antiperspirants, 3.6% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 10.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 5.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 17.1% in mouthwashes, breath sprays, and toothpastes, 1.8% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
HEXYL LAURATE	HEXYL LAURATE	34316-64 -8	The Cosmetic Ingredient Review Expert Panel concluded that this ingredient is safe as used at concentrations < 3%	
HEXYL SALICYLATE	Hexyl salicylate	6259-76- 3	The International Fragrance Association restricts this ingredient to a maximum concentration of 1% in lip products, 1.3% in deodorants/antiperspirants, 5.3% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 16% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 8.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 25.7% in mouthwashes, breath sprays, and toothpastes, 2.7% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HEXYL SALICYLATE	Hexyl salicylate	6259-76- 3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.092 % Category 2) 0.80 % Category 3) 0.25 % Category 4) 6.5 % Category 5A) 2.7 % Category 5B) 0.30 % Category 5C) 0.46 % Category 5D) 0.10 % Category 6) 0.0092 % Category 7A) 0.38 % Category 7B) 0.38 % Category 8) 0.10 % Category 9) 1.2 % Category 10A) 1.2 % Category 10B) 2.2 % Category 11A) 0.10 % Category 11B) 0.10 % Category 12) 64 %	
HEXYLDECETH-2	HEXYLDECETH2	52609-19 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HEXYLDECETH-20	HEXYLDECETH20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HEXYLDECYL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
HEXYLDECYL STEARATE	HEXYLDECYL STEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
HEXYLDODECYL SALICYLATE	HEXYLDODECYL SALICYLATE	0	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
HEXYLENE GLYCOL	Hexylene glycol	107-41-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
HIMANTHALIA ELONGATA (BROWN ALGAE) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HIMANTHALIA ELONGATA	HIMANTHALIA ELONGATA	0	The Cosmetic Ingredient Review found this substance	
(BROWN ALGAE) EXTRACT HIMANTHALIA ELONGATA POWDER	(BROWN ALGAE) EXTRACT Algae and related substances	223751-7 0-0	Was safe as used up to a concentration of 0.2% Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HIMANTHALIA ELONGATA POWDER	HIMANTHALIA ELONGATA POWDER	223751-7 0-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HINOKITIOL	Hinokitiol	499-44-5	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in products meant to be applied to the mucosa.	
HINOKITIOL	Hinokitiol	499-44-5	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.1% in leaveon products (not applied to mucosa).	
HIPPOPHAE RHAMNOIDES (SEA BUCKTHORN) OIL	HIPPOPHAE RHAMNOIDES (SEA BUCKTHORN) OIL	225234-0 3-7	The Cosmetic Ingredient Review Expert panel concluded this oil is safe as used at concentrations < 0.7%	
HIPPOPHAE RHAMNOIDES (SEA BUCKTHORN) OIL	HIPPOPHAE RHAMNOIDES OIL	225234-0 3-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.	
HIPPOPHAE RHAMNOIDES	HIPPOPHAE RHAMNOIDES	225234-0 3-7	The Cosmetic Ingredient Review has determined this	Х
HISTIDINE	HISTIDINE	71-00-1	The Cosmetic Ingredient Review found this substance	
			was sate as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HISTIDINE HCL	HISTIDINE HCL	645-35-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HIZIKIA FUSIFORME EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HOKKAIDO AKAN CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
HOMOSALATE	HOMOMENTHYLSALICYLA TE	118-56-9	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10%.	
HOMOSALATE	HOMOSALATE	118-56-9	Per COSING, the maximum concentration in RTU preparation is 10%.	
HONEY	Honey	8028-66- 8	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
HONEY	Honey	8028-66- 8	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
HONEY	Honey	8028-66- 8	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	
HONEY COMB	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
HONEY COMB	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
HONEY COMB	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	
HONEY EXTRACT	Honey	91052-92 -5	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
HONEY EXTRACT	Honey	91052-92 -5	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
HONEY EXTRACT	HONEY EXTRACT	91052-92 -5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 7%.	
HUILE MINERALE	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
HUMULUS JAPONICUS (JAPANESE HOPS) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HUMULUS LUPULUS (HOPS)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HUMULUS LUPULUS (HOPS)	HUMULUS LUPULUS (HOPS)	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
HUMULUS LUPULUS (HOPS) CONE OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HUMULUS LUPULUS (HOPS) CONE OIL	HUMULUS LUPULUS (HOPS) CONE OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
HUMULUS LUPULUS (HOPS) EXTRACT	Geraniol, contact allergen for eczema products	8016-25- 9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HUMULUS LUPULUS (HOPS) EXTRACT	HUMULUS LUPULUS (HOPS) EXTRACT	8016-25- 9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2% when formulated to be non-sensitizing.	
HYACINTHUS ORIENTALIS (HYACINTH) FLOWER EXTRACT	HYACINTHUS ORIENTALIS (HYACINTH) FLOWER EXTRACT	94333-75 -2	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
HYACINTHUS ORIENTALIS (HYACINTH) FLOWER EXTRACT	HYACINTHUS ORIENTALIS (HYACINTH) FLOWER EXTRACT	94333-75 -2	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
HYACINTHUS ORIENTALIS (HYACINTH) LEAF EXTRACT	HYACINTHUS ORIENTALIS (HYACINTH) FLOWER EXTRACT	94333-75 -2	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
HYACINTHUS ORIENTALIS (HYACINTH) LEAF EXTRACT	HYACINTHUS ORIENTALIS (HYACINTH) FLOWER EXTRACT	94333-75 -2	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
HYACINTHUS ORIENTALIS (HYACINTH) LEAF EXTRACT	HYACINTHUS ORIENTALIS (HYACINTH) LEAF EXTRACT	94333-75 -2	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYACINTHUS ORIENTALIS (HYACINTH) LEAF EXTRACT	HYACINTHUS ORIENTALIS (HYACINTH) LEAF EXTRACT	94333-75 -2	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
HYACINTHUS ORIENTALIS EXTRACT	HYACINTHUS ORIENTALIS EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
HYACINTHUS ORIENTALIS EXTRACT	HYACINTHUS ORIENTALIS EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
HYALURONIC ACID	HYALURONIC ACID	9004-61- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
HYDRATED SILICA	HYDRATED SILICA	112926-0 0-8	The Cosmetic Ingredient Review Expert panel concluded this ingredient is safe as used at concentrations < 33.8% and when formulated to be non-irritating	
HYDRATED SILICA	Silica, amorphous; silicate; borosilicate	112926-0 0-8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
HYDRATED SILICA	Silica, amorphous; silicate; borosilicate	112926-0 0-8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
HYDRATROPIC ALDEHYDE	2PHENYLPROPIONALDEHY DE	93-53-8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.01% in deodorants/antiperspirants, 0.06% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.17% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.09% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.28% in mouthwashes, breath sprays, and toothpastes, 0.03% in intimate wipes, and baby wipes, 0.4% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYDRATROPIC ALDEHYDE	2PHENYLPROPIONALDEHY DE	93-53-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.029% Category 2) 0.0087% Category 3) 0.096% Category 4) 0.16% Category 5A) 0.041% Category 5B) 0.041% Category 5C) 0.041% Category 5D) 0.014% Category 6) 0.096% Category 7A) 0.19% Category 7B) 0.19% Category 8) 0.014% Category 9) 0.32% Category 10A) 0.32% Category 10B) 0.77% Category 11A) 0.014% Category 11B) 0.014% Category 12) 31%	
HYDRATROPIC ALDEHYDE	2PHENYLPROPIONALDEHY DE	93-53-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.029% Category 2) 0.0087% Category 3) 0.096% Category 4) 0.16% Category 5A) 0.041% Category 5B) 0.041% Category 5C) 0.041% Category 5D) 0.014% Category 6) 0.096% Category 7A) 0.19% Category 7B) 0.19% Category 8) 0.014% Category 9) 0.32% Category 10A) 0.32% Category 10B) 0.77% Category 11A) 0.014% Category 11B) 0.014% Category 12) 31%	
HYDRATROPIC ALDEHYDE	2PHENYLPROPIONALDEHY DE	93-53-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.029% Category 2) 0.0087% Category 3) 0.096% Category 4) 0.16% Category 5A) 0.041% Category 5B) 0.041% Category 5C) 0.041% Category 5D) 0.014% Category 6) 0.096% Category 7A) 0.19% Category 7B) 0.19% Category 8) 0.014% Category 9) 0.32% Category 10A) 0.32% Category 10B) 0.77% Category 11A) 0.014% Category 11B) 0.014% Category 12) 31%	
HYDROCOTYL (CENTELLA ASIATICA)	Centella asiatica derived ingredients	0	This Cosmetics Ingredient Review Panel found that these substances were safe as used up to a concentration of 0.5% when formulated to be non-sensitizing.	
HYDROGEN DIMETHICONE	HYDROGEN DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
HYDROGEN DIMETHICONE/OCTYL SILSESQUIOXANE COPOLYMER	HYDROGEN DIMETHICONE/OCTYL SILSESQUIOXANE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYDROGEN PEROYIDE	Hydrogen peroxide	7722-84-1	The European Commission restricts this ingredient to a maximum concentration of 12% of H2O2 (40 volumes, present or released) in hair products, 4% of H2O2 (present or released) in skin products, 2% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in oral products, income volumes, and for each cycle of use, the first use must be done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards, the product may be provided to the consumer to complete the cycle of use. The product cannot to be used on a person under 18 years of age. Lastly, for products intended for eyelashes, the concentration cannot exceed 2% of H2O2, present or released, and is permitted for professional use only. Required Warning: The European Commission requires the following on the label/package of hair products: 'Wear suitable gloves'; 'Contains hydrogen peroxide'; 'Avoid contact with them'. For skin and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For exist and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For exist and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For each cycle of use, the first use to be only done by dental practitioners or under the instruction of an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use'. Lastly, the following must be babled on products intended for eyelashes: 'Wear suitable gloves'; 'For professional use only'; 'Avoid cont	
	HIDROGEN FEROAIDE	1	Regulations the pH of oral products containing this ingredient must be greater than or equal to 4.0. Additionally, if an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit a clinical study to demonstrate the salivary peroxide levels do not exceed 3% during the use of the product as per the directions of use.	
HYDROGEN PEROXIDE	HYDROGEN PEROXIDE	7722-84- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYDROGEN PEROXIDE	HYDROGENPEROXIDE	7722-84-1	Health Canada requires manufacturers of oral products containing peroxides or peroxidegenerating compounds to submit the following information: data on the pH of the cosmetic product, when it is applied to the tooth or teeth, i.e. that the pH is greater than or equal to 4.0; product labelling demonstrating that all cautionary statement requirements have been met. If an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit safety evidence that the product does not cause the saliva or soft tissue of the oral cavity to exceed 3% hydrogen peroxide, and is safe when used as directed. Required Warning: Health Canada requires the following warning text on the package/label of oral products: 'If irritation (such as redness, swelling, soreness) of the gums or the mouth occurs, discontinue use and consult a dentist'; 'Products containing peroxides are not recommended for use by children under 12 years of age'; 'Use for periods of longer than 14 days is to be only under the supervision of a dentist'; 'Avoid swallowing the cosmetic or part thereof'; 'Avoid contact of the product with the eye'; 'Avoid direct contact of the active surface of the tooth whitening product with the gums and/or salivary flow.'	
HYDROGENATED BUTYLENE/ ETHYLENE/ STYRENE COPOLYMER	HYDROGENATED BUTYLENE/ ETHYLENE/ STYRENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROGENATED C12-18 TRIGLYCERIDES	Hydrogenated C1218 Triglycerides	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 39%	
HYDROGENATED CASTOR OIL	Hydrogenated Castor Oil	8001-78- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 39%	
HYDROGENATED CASTOR OIL PEG-8 ESTERS	HYDROGENATED CASTOR OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
HYDROGENATED CASTOR OIL PEG-8 ESTERS	Hydrogenated Castor Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROGENATED COCO-GLYCERIDES	HYDROGENATED COCOGLYCERIDES	91744-42 -2	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 41%.	
HYDROGENATED COCONUT ACID	HYDROGENATED COCONUT ACID	68938-15 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
HYDROGENATED COTTONSEED GLYCERIDE	HYDROGENATED COTTONSEED GLYCERIDE	61789-07 -9	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: gossypol, heavy metals, and pesticides.	
HYDROGENATED COTTONSEED OIL	HYDROGENATED COTTONSEED OIL	68334-00 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 24%.	
HYDROGENATED ETHYLENE/ PROPYLENE/ STYRENE COPOLYMER	HYDROGENATED ETHYLENE/ PROPYLENE/ STYRENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROGENATED GRAPESEED OIL	HYDROGENATED GRAPESEED OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROGENATED HONEY	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
HYDROGENATED HONEY	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated binhenyls (persistent organic pollutants, and antibictics	
HYDROGENATED HONEY	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYDROGENATED HONEY	HYDROGENATED HONEY	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	_
HYDROGENATED JOJOBA	HYDROGENATED JOJOBA	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 31%.	
HYDROGENATED LANOLIN	HYDROGENATED LANOLIN	8031-44- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
HYDROGENATED LARD	HYDROGENATED LARD	73138-67- 7	The Cosmetic Ingredient Review restricts the lead, arsenic, mercury, and total PCB/pesticide contents of this ingredient to maximum concentrations of 0.1 ppm, 3 ppm, 1 ppm, and 40 ppm (with 10 ppm for any specific residue), respectively.	
HYDROGENATED LARD GLYCERIDE	HYDROGENATED LARD GLYCERIDE	8040-05- 9	The Cosmetic Ingredient Review restricts the lead, arsenic, mercury, and total PCB/pesticide contents of this ingredient to maximum concentrations of 0.1 ppm, 3 ppm, 1 ppm, and 40 ppm (with 10 ppm for any specific residue), respectively.	
HYDROGENATED LARD GLYCERIDE	HYDROGENATED LARD GLYCERIDES	8040-05- 9	The Cosmetic Ingredient Review restricts the lead, arsenic, mercury, and total PCB/pesticide contents of this ingredient to maximum concentrations of 0.1 ppm, 3 ppm, 1 ppm, and 40 ppm (with 10 ppm for any specific residue), respectively.	
HYDROGENATED LARD GLYCERIDES	HYDROGENATED LARD GLYCERIDES	91744-48 -8	The Cosmetic Ingredient Review restricts the lead, arsenic, mercury, and total PCB/pesticide contents of this ingredient to maximum concentrations of 0.1 ppm, 3 ppm, 1 ppm, and 40 ppm (with 10 ppm for any specific residue), respectively.	
HYDROGENATED LYSOLECITHIN	HYDROGENATED LYSOLECITHIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROGENATED LYSOPHOSPHATIDYLCHOLI NE	HYDROGENATED LYSOPHOSPHATIDYLCHOL INE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROGENATED MICROCRYSTALLINE WAX	Hydrogenated Microcrystalline Wax	64742-60 -5	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 3% and PAH levels must be below 10 ppb. Mineral waxes must have an average molecular weight of at least 500 Daltons and a viscosity value greater than or equal to 11 centistokes at 100oC or greater than or equal to 8 centistokes at 120oC. Additionally, no more than 5% of hydrocarbons with a chain length less than C25 may be present.	
HYDROGENATED OLIVE OIL	HYDROGENATED OLIVE OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	
HYDROGENATED OLIVE OIL UNSAPONIFIABLES	HYDROGENATED OLIVE OIL UNSAPONIFIABLES	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	
HYDROGENATED PALM KERNEL OIL	HYDROGENATED PALM KERNEL OIL	84540-0 4-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 13%.	
HYDROGENATED PALM/ PALM KERNEL OIL PEG-6 ESTERS	HYDROGENATED PALM/ PALM KERNEL OIL PEG-6 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
HYDROGENATED PALM/ PALM KERNEL OIL PEG-6 ESTERS	Hydrogenated Palm/ Palm Kernel Oil Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROGENATED PEANUT OIL	HYDROGENATED PEANUT OIL	68425-36 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
HYDROGENATED PHOSPHATIDYLCHOLINE	HYDROGENATED PHOSPHATIDYLCHOLINE	97281-48 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

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Hydrogenated Poly(C6-14 Olefin)	Hydrogenated Poly(C6-14 Olefin)	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 58%.	
HYDROGENATED	HYDROGENATED POLYBLITENE	9003-28- 5	The Cosmetic Ingredient Review found this substance	
HYDROGENATED	HYDROGENATED	68037-01	The Cosmetic Ingredient Review found this substance	
POLYDECENE	POLYDECENE	-4	was safe as used up to a concentration of 59%.	
POLYDODECENE	POLYDODECENE	0	was safe as used at the reported concentrations of use.	
HYDROGENATED POTATO	HYDROGENATED POTATO	0	The Cosmetic Ingredient Review found this substance	
STARCH		84681-71	was safe as used at the reported concentrations of use.	
OIL	RAPESEED OIL	-0	this ingredient is safe as used up to a concentration of 4%.	
HYDROGENATED RICE BRAN OIL	HYDROGENATED RICE BRAN OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROGENATED SHEA BUTTER	HYDROGENATED SHEA BUTTER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
HYDROGENATED SOYBEAN OIL	HYDROGENATED SOYBEAN OIL	8016-70- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 42%	
HYDROGENATED STARCH HYDROLYSATE	HYDROGENATED STARCH HYDROLYSATE	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 3.8%.	
HYDROGENATED STYRENE/ ISOPRENE COPOLYMER	HYDROGENATED STYRENE/ ISOPRENE	68648-89 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
		66070-58	The Cosmetic Ingredient Review found this substance	
STYRENE/BUTADIENE COPOLYMER	STYRENE/BUTADIENE COPOLYMER	-4	was safe as used at the reported concentrations of use.	
HYDROGENATED SUNFLOWER SEED OIL	HYDROGENATED SUNFLOWER SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 35%	
HYDROGENATED SWEET ALMOND OIL	HYDROGENATED SWEET ALMOND OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
HYDROGENATED TALLOW BETAINE	HYDROGENATED TALLOW BETAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
HYDROGENATED TALLOW GLYCERIDE	HYDROGENATED TALLOW GLYCERIDE	61789-09 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
HYDROGENATED TALLOW GLYCERIDE	HYDROGENATED TALLOW GLYCERIDES	61789-09 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
HYDROGENATED TALLOW GLYCERIDES	HYDROGENATED TALLOW GLYCERIDES	92128-50 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
HYDROGENATED TALLOWAMIDE DEA	HYDROGENATED TALLOWAMIDE DEA	68440-32 -4	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
HYDROGENATED TALLOWAMIDE DEA	HYDROGENATED TALLOWAMIDE DEA	68440-32 -4	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
HYDROGENATED TALLOWAMINE	HYDROGENATED TALLOWAMINE	61788-45 -2	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

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HYDROLYZED ALGIN	Algae and related substances	9005-38- 3	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HYDROLYZED AMARANTH PROTEIN	HYDROLYZED AMARANTH PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED AVOCADO PROTEIN	HYDROLYZED AVOCADO PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED BARLEY PROTEIN	HYDROLYZED BARLEY PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED BETAGLUCAN	HYDROLYZED BETAGLUCAN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED BRAZIL NUT PROTEIN	HYDROLYZED BRAZIL NUT PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED CAESALPINIA SPINOSA GUM	HYDROLYZED CAESALPINIA SPINOSA GUM	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
HYDROLYZED CAESALPINIA SPINOSA GUM	HYDROLYZED CAESALPINIA SPINOSA GUM	0	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
HYDROLYZED CASEIN	HYDROLYZED CASEIN	65072-00 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED CERATONIA SILIQUA GUM EXTRACT	HYDROLYZED CERATONIA SILIQUA GUM EXTRACT	84961-45 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED CITRUS AURANTIUM DULCIS (ORANGE) FRUIT EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HYDROLYZED CITRUS AURANTIUM DULCIS (ORANGE) FRUIT EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
HYDROLYZED CITRUS AURANTIUM DULCIS	HYDROLYZED CITRUS AURANTIUM DULCIS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be popairritating	
HYDROLYZED CITRUS AURANTIUM DULCIS (ORANGE) FRUIT EXTRACT	Hydrolyzed Citrus Aurantium Dulcis Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
HYDROLYZED CITRUS AURANTIUM DULCIS (ORANGE) FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HYDROLYZED COLLAGEN	HYDROLYZED COLLAGEN	92113-31- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 16.5%.	Х
HYDROLYZED CORALLINA OFFICINALIS	HYDROLYZED CORALLINA OFFICINALIS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED CORN STARCH HYDROXYETHYL ETHER	HYDROLYZED CORN STARCH HYDROXYETHYL ETHER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED CORN STARCH OCTENYLSUCCINATE	HYDROLYZED CORN STARCH OCTENYLSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED COTTONSEED PROTEIN	HYDROLYZED COTTONSEED PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED ELASTIN	HYDROLYZED ELASTIN	91080-18 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED EXTENSIN	HYDROLYZED EXTENSIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED FIBROIN	HYDROLYZED FIBROIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

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HYDROLYZED FIBRONECTIN	HYDROLYZED FIBRONECTIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED FUCUS VESICULOSUS EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HYDROLYZED FUCUS VESICULOSUS EXTRACT	HYDROLYZED FUCUS VESICULOSUS EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED FUCUS VESICULOSUS PROTEIN	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HYDROLYZED FUCUS	HYDROLYZED FUCUS	0	The Cosmetic Ingredient Review found this substance	
HYDROLYZED GELATIN	HYDROLYZED GELATIN	0	The Cosmetic Ingredient Review found this substance	
		0	was safe as used at the reported concentrations of use.	
SAPONINS	SAPONINS	0	was safe as used at the reported concentrations of use.	
HYDROLYZED GLYCINE	HYDROLYZED GLYCINE	68607-88	The Cosmetic Ingredient Review found this substance	
HYDROLYZED GRAPE FRUIT	HYDROLYZED GRAPE	0	The Cosmetic Ingredient Review found this substance	
		0	was safe as used at the reported concentrations of use.	
HYDROLYZED GUAR	HYDROLYZED GUAR	0	this ingredient is safe as used up to a concentration of 3%.	
HYDROLYZED GUAR	HYDROLYZED GUAR	0	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%	
HYDROLYZED HAZELNUT PROTEIN	HYDROLYZED HAZELNUT PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED HEMP SEED PROTEIN	HYDROLYZED HEMP SEED PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED HEMP SEED PROTEIN	HYDROLYZEDHEMPSEEDP ROTEIN	0	Health Canada restricts the THC (delta9tetrahydrocannabinol) content of this ingredient to a maximum concentration of 10 microaram/a.	
HYDROLYZED JOJOBA ESTERS	HYDROLYZED JOJOBA ESTERS	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
HYDROLYZED JOJOBA ESTERS	HYDROLYZED JOJOBA ESTERS	0	The Cosmetic Ingredient Review Expert Panel concluded that this ingredient is safe for use as cosmetic ingredients in the practices of use at concentrations < 2%	
HYDROLYZED JOJOBA PROTEIN	HYDROLYZED JOJOBA PROTEIN	100684-3 5-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED KERATIN	HYDROLYZED KERATIN	69430-36 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED KERATIN	Keratin	69430-36 -0	Health Canada requires manufacturers using substances of human origin provide the following information to the Cosmetics Division of the Consumer Product Safety Bureau: source of the substance; a description of the method of production; quality control data, particularly those relating to microbial limits (including viruses) and the absence of estrogenic substances; product labelling.	
HYDROLYZED LACTALBUMIN	HYDROLYZED LACTALBUMIN	68458-87 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED LUPINE PROTEIN	HYDROLYZED LUPINE PROTEIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED MILK PROTEIN	HYDROLYZED MILK PROTEIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of 0.2%	

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HYDROLYZED OAT FLOUR	HYDROLYZED OAT FLOUR	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
HYDROLYZED OAT PROTEIN	HYDROLYZED OAT PROTEIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
HYDROLYZED OATS	HYDROLYZED OATS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
HYDROLYZED PEA PROTEIN	HYDROLYZED PEA PROTEIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.001%.	
HYDROLYZED PLUKENETIA VOLUBILIS SEED EXTRACT	HYDROLYZED PLUKENETIA VOLUBILIS SEED EXTRACT	0	Seedderived substances from P. volubilis can contain aflatoxins, depending on cultivation and processing. This substance must not contain detectable levels of aflatoxins.	
HYDROLYZED POTATO PROTEIN	HYDROLYZED POTATO PROTEIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED RETICULIN	HYDROLYZED RETICULIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED RHIZOBIAN GUM	HYDROLYZED RHIZOBIAN GUM	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED RICE BRAN EXTRACT	HYDROLYZED RICE BRAN EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.0004%. Additionally, the ingredient cannot contain significant levels of pesticide residues or heavy metals.	
HYDROLYZED RICE BRAN PROTEIN	HYDROLYZED RICE BRAN PROTEIN	73049-73 -7	The Cosmetic Ingredient Review restricts this ingredient in that it cannot contain significant levels of pesticide residues or heavy metals.	
HYDROLYZED RICE EXTRACT	HYDROLYZED RICE EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%. Additionally, the ingredient cannot contain significant levels of pesticide residues or heavy metals.	
HYDROLYZED RICE PROTEIN	HYDROLYZED RICE PROTEIN	94350-05 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%. Additionally, the ingredient cannot contain significant levels of pesticide residues or heavy metals.	
HYDROLYZED SERICIN	HYDROLYZED SERICIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED SESAME PROTEIN	HYDROLYZED SESAME PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED SILK	HYDROLYZED SILK	96690-41 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED SOY PROTEIN/DIMETHICONE PEG-7 ACETATE	Hydrolyzed Soy Protein/dimethicone Peg7 Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROLYZED SOY STARCH	HYDROLYZED SOY STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED SOYMILK PROTEIN	HYDROLYZED SOYMILK PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED SWEET ALMOND PROTEIN	HYDROLYZED SWEET ALMOND PROTEIN	73049-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED THYMUS EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
HYDROLYZED THYMUS EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
HYDROLYZED VEGETABLE PROTEIN	HYDROLYZED VEGETABLE PROTEIN	100209-4 5-8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.0025%.	

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HYDROLYZED WHEAT GLUTEN	HYDROLYZED WHEAT GLUTEN	0	The CIR Expert Panel concluded that hydrolyzed wheat gluten and hydrolyzed wheat protein are safe for use in cosmetics when formulated to restrict peptides to a weight-average MW of 3500 Da or less.	
HYDROLYZED WHEAT PROTEIN	Hydrolyzed wheat protein	70084-87 -6	Europe restricts this chemical: Maximum molecular weight average of the peptides in hydrolysates: 3.5 kDa	
HYDROLYZED WHEAT PROTEIN	Hydrolyzed wheat protein	70084-87 -6	Europe restricts this chemical: Maximum molecular weight average of the peptides in hydrolysates: 3.5 kDa	
HYDROLYZED WHEAT PROTEIN	Hydrolyzed wheat protein	70084-87 -6	Europe restricts this chemical: Maximum molecular weight average of the peptides in hydrolysates: 3.5 kDa	
HYDROLYZED WHEAT PROTEIN	Hydrolyzed wheat protein	70084-87 -6	Europe restricts this chemical: Maximum molecular weight average of the peptides in hydrolysates: 3.5 kDa	
HYDROLYZED WHEAT PROTEIN	HYDROLYZED WHEAT PROTEIN	70084-87 -6	The CIR Expert Panel concluded that hydrolyzed wheat gluten and hydrolyzed wheat protein are safe for use in cosmetics when formulated to restrict peptides to a weight-average MW of 3500 Da or less.	
HYDROLYZED WHEAT PROTEIN/ PVP CROSSPOLYMER	HYDROLYZED WHEAT PROTEIN/ PVP CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED WHEAT PROTEIN/DIMETHICONE PEG-7 ACETATE	Hydrolyzed Wheat Protein/dimethicone Peg7 Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROLYZED WHEAT PROTEIN/DIMETHICONE PEG-7 PHOSPHATE COPOLYMER	Hydrolyzed Wheat Protein/dimethicone Peg7 Phosphate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROLYZED WHEAT PROTEIN/PEG-20 ACETATE COPOLYMER	Hydrolyzed Wheat Protein/peg20 Acetate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROLYZED WHEAT STARCH	HYDROLYZED WHEAT STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED WHEY PROTEIN	HYDROLYZED WHEY PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROLYZED YOGURT	HYDROLYZED YOGURT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
HYDROLYZED ZEIN	HYDROLYZED ZEIN	0	The Cosmetic Ingredient Review found this substance	
HYDROPHILIC SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
HYDROPHILIC SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
HYDROPHOBIC SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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HYDROPHOBIC SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
HYDROXYANTHRAQUINONE AMINOPROPYL METHYL MORPHOLINIUM METHOSULFATE	Secondary and Tertiary Aromatic Amines (Aniline)	38866-20 -5	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
HYDROXYANTHRAQUINONE AMINOPROPYL METHYL MORPHOLINIUM METHOSULFATE	Secondary and Tertiary Aromatic Amines (Nitrosamine)	38866-20 -5	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	x
HYDROXYBENZOMORPHOLI NE	HYDROXYBENZOMORPHO LINE	26021-57 -8	The European Commission restricts this ingredient to a maximum concentration of 1.0% applied to hair after mixing under oxidative conditions in oxidative hair dye products. Additionally, this substance cannot be used with nitrosating agents, it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. Required Warning: The European Commission requires the following on the product label/package of oxidative hair dyes: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'	
HYDROXYBENZOMORPHOLI NE	HYDROXYBENZOMORPHO LINE	26021-57 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.03%	
HYDROXYBENZOMORPHOLI NE	HYDROXYBENZOMORPHO LINE	26021-57 -8	Per European restrictions, prohibited for use in hair dye products.	
HYDROXYCAPRIC ACID	HYDROXYCAPRIC ACID	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.7%	
HYDROXYCAPROYL PHYTOSPHINGOSINE	HYDROXYCAPROYL PHYTOSPHINGOSINE	100403-1 9-8	The Cosmetic Ingredient Review found this substance	
HYDROXYCAPRYLIC ACID	HYDROXYCAPRYLIC ACID	0	The Cosmetic Ingredient Review found this substance	
HYDROXYCAPRYLIC ACID	HYDROXYCAPRYLICACID	0	Health Canada restricts this ingredient to a maximum concentration of 10% and a minimum pH of 3.5. Additionally, preparations containing concentrations of AHAs between 10% and 30% or a pH between 3.0 to 3.5 may be permitted for professional use if the manufacturer provides Health Canada with evidence of their safety including pH levels, AHA concentrations, directions for use, and clinical studies demonstrating minimal skin irritation. Preparations intended to be diluted in bath water may contain levels of citric acid exceeding 10%. Required Warning: Health Canada requires the following on the product label/package in all skin products containing AHAs at concentrations equal to or greater than 3%: 'Use only as directed'; 'Avoid contact with the eyes'; 'If irritation persists, discontinue use and consult a physician'; 'It is recommended that prior to exposure to the sun, users cover areas where AHAs have been applied with sunscreen'; 'Contact of the product with the skin must be of limited frequency or duration.'	
PHYTOSPHINGOSINE	PHYTOSPHINGOSINE	9-8	was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYDROXYCETETH-60	Hydroxyceteth60	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROXYCETYL HYDROXYETHYLSTEARAMID E	HYDROXYCETYL HYDROXYETHYLSTEARAMI DE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
HYDROXYCITRONELLAL	Contact allergens for eczema products	107-75-5	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	x
HYDROXYCITRONELLAL	Hydroxycitronellal	107-75-5	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
HYDROXYCITRONELLAL	Hydroxycitronellal	107-75-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in lip products, 0.2% in deodorants/antiperspirants, 0.8% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 3.6% in mouthwashes, breath sprays, and toothpastes, 0.4% in intimate wipes, and baby wipes, 1% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
HYDROXYCITRONELLAL	Hydroxycitronellal	107-75-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.38% Category 2) 0.11% Category 3) 2.3% Category 4) 2.1% Category 5A) 0.53% Category 5B) 0.53% Category 4) 2.1% Category 5A) 0.53% Category 5B) 0.53% Category 5C) 0.53% Category 5D) 0.53% Category 6) 1.2% Category 7A) 4.3% Category 7B) 4.3% Category 8) 0.22% Category 9) 4.1% Category 10A) 15% Category 10B) 15% Category 11A) 8.2% Category 11B) 8.2% Category 12) No Restriction	
ACRYLOYLDIMETHYL ACRYLOYLDIMETHYL TAURATE COPOLYMER	Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	0	this ingredient is safe as used up to 4%	
HYDROXYETHYL ACRYLATE/METHOXYETHYL ACRYLATE COPOLYMER	HYDROXYETHYL ACRYLATE/METHOXYETHY L ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
HYDROXYETHYL ACRYLATE/METHOXYETHYL ACRYLATE COPOLYMER	HYDROXYETHYL ACRYLATE/METHOXYETHY L ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYDROXYETHYL DIMETHICONE LAURATE	HYDROXYETHYL DIMETHICONE LAURATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
HYDROXYETHYL DIMETHICONE LAURATE	HYDROXYETHYL DIMETHICONE LAURATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
HYDROXYETHYL ISOSTEARYLOXY ISOPROPANOLAMINE	HYDROXYETHYL ISOSTEARYLOXY ISOPROPANOLAMINE	158314-4 7-7	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
HYDROXYETHYL STEARAMIDE-MIPA	HYDROXYETHYL STEARAMIDE-MIPA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
HYDROXYETHYL UREA	HYDROXYETHYL UREA	1320-51- 0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 20.6% and when formulated to be non-irritating.	
HYDROXYETHYLBUTYLAMIN E LAURETH SULFATE	Hydroxyethylbutylamine Laureth Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROXYETHYLCELLULOSE	HYDROXYETHYLCELLULOS E	9004-62- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
HYDROXYLAURIC ACID	HYDROXYLAURIC ACID	2984-55- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
		100403-1	The Cosmetic Ingredient Review found this substance	
HYDROXYPALMITOYL	HYDROXYPALMITOYL	0	The Cosmetic Ingredient Review found this substance	
	SPHINGANINE Botinoids	907/12-7	was safe as used at the reported concentrations of use.	
RETINOATE	Refinolds	3-2	photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
HYDROXYPROPYL CYCLODEXTRIN	HYDROXYPROPYL CYCLODEXTRIN	128446-3 5-5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
HYDROXYPROPYL GUAR	HYDROXYPROPYL GUAR	39421-75 -5	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2% in leaveon products.	
HYDROXYPROPYL GUAR HYDROXYPROPYLTRIMONIU M CHLORIDE	HYDROXYPROPYL GUAR HYDROXYPROPYLTRIMON IUM CHLORIDE	71329-50 -5	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.9%	
HYDROXYPROPYL METHYLCELLULOSE	Hydroxypropyl Methylcellulose	9004-65- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
HYDROXYPROPYL OXIDIZED STARCH	HYDROXYPROPYL OXIDIZED STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROXYPROPYL PANTHENYL PEG-7 DIMETHICONE	Hydroxypropyl Panthenyl Peg7 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
HYDROXYPROPYL STARCH	HYDROXYPROPYL STARCH	9049-76- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYDROXYPROPYL STARCH PHOSPHATE	HYDROXYPROPYL STARCH PHOSPHATE	39346-84 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6.2%.	
HYDROXYPROPYL XANTHAN GUM	HYDROXYPROPYL XANTHAN GUM	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROXYPROPYLCELLULOS E	HYDROXYPROPYLCELLULO SE	9004-64- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
HYDROXYPROPYLCOCOATE PEG-8 DIMETHICONE	HYDROXYPROPYLCOCOAT E PEG-8 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
HYDROXYPROPYLCOCOATE PEG-8 DIMETHICONE	HYDROXYPROPYLCOCOAT E PEG-8 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
HYDROXYPROPYLDIMETHIC ONE	HYDROXYPROPYLDIMETHI CONE	102782-6 1-6	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
HYDROXYPROPYLDIMETHIC ONE	HYDROXYPROPYLDIMETHI CONE	102782-6 1-6	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
HYDROXYPROPYLTRIMONIU M HONEY	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
HYDROXYPROPYLTRIMONIU M HONEY	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
HYDROXYPROPYLTRIMONIU M HONEY	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	
HYDROXYPROPYLTRIMONIU M HYDROLYZED CORN STARCH	HYDROXYPROPYLTRIMON IUM HYDROLYZED CORN STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROXYPROPYLTRIMONIU M HYDROLYZED WHEAT PROTEIN/SILOXYSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
HYDROXYPROPYLTRIMONIU M HYDROLYZED WHEAT PROTEIN/SILOXYSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
HYDROXYPROPYLTRIMONIU M HYDROLYZED WHEAT STARCH	HYDROXYPROPYLTRIMON IUM HYDROLYZED WHEAT STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYDROXYPROPYLTRIMONIU M MALTODEXTRIN CROSSPOLYMER	HYDROXYPROPYLTRIMON IUM MALTODEXTRIN CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.00045%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYDROXYSTEARIC ACID	HYDROXYSTEARIC ACID	106-14-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
HYPERICUM PERFORATUM (ST. JOHN'S WORT) FLOWER EXTRACT	HYPERICUM PERFORATUM (ST. JOHN'S WORT) FLOWER EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.005%.	
HYPERICUM PERFORATUM (ST. JOHN'S WORT) LEAF EXTRACT	HYPERICUM PERFORATUM (ST. JOHN'S WORT) LEAF EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HYPNEA MUSCIFORMIS (HYPNEACEAE) EXTRACT	Algae and related substances	223751-7 1-1	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
HYPNEA MUSCIFORMIS	HYPNEA MUSCIFORMIS	223751-7	The Cosmetic Ingredient Review found this substance	
HYSSOPUS OFFICINALIS	(HYPNEACEAE) EXTRACT HYSSOPUS OFFICINALIS	0	The European Union and Canada restricts the use of	
(HYSSOP)	(HYSSOP)		methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
HYSSOPUS OFFICINALIS (HYSSOP)	HYSSOPUS OFFICINALIS (HYSSOP)	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
HYSSOPUS OFFICINALIS (HYSSOP)	HYSSOPUS OFFICINALIS (HYSSOP)	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
HYSSOPUS OFFICINALIS (HYSSOP) OIL	HYSSOPUS OFFICINALIS (HYSSOP) OIL	8006-83- 5	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
HYSSOPUS OFFICINALIS (HYSSOP) OIL	HYSSOPUS OFFICINALIS (HYSSOP) OIL	8006-83- 5	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 5) 0.00058% Category 7B) 0.00058% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYSSOPUS OFFICINALIS (HYSSOP) OIL	HYSSOPUS OFFICINALIS (HYSSOP) OIL	8006-83- 5	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
HYSSOPUS OFFICINALIS (HYSSOP) OIL	HYSSOPUS OFFICINALIS LEAF OIL	8006-83- 5	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
HYSSOPUS OFFICINALIS (HYSSOP) OIL	HYSSOPUS OFFICINALIS LEAF OIL	8006-83- 5	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
HYSSOPUS OFFICINALIS (HYSSOP) OIL	HYSSOPUS OFFICINALIS LEAF OIL	8006-83- 5	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
HYSSOPUS OFFICINALIS EXTRACT	HYSSOPUS OFFICINALIS EXTRACT	84603-66 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
HYSSOPUS OFFICINALIS EXTRACT	HYSSOPUS OFFICINALIS EXTRACT	84603-66 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
HYSSOPUS OFFICINALIS EXTRACT	HYSSOPUS OFFICINALIS EXTRACT	84603-66 -7	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
HYSSOPUS OFFICINALIS LEAF OIL	HYSSOPUS OFFICINALIS LEAF OIL	8006-83- 5	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
HYSSOPUS OFFICINALIS LEAF OIL	HYSSOPUS OFFICINALIS LEAF OIL	8006-83- 5	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
HYSSOPUS OFFICINALIS LEAF OIL	HYSSOPUS OFFICINALIS LEAF OIL	8006-83- 5	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
ILLICIUM VERUM (ANISE) FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
ILLICIUM VERUM (ANISE) FRUIT POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ILLICIUM VERUM (ANISE) OIL	ILLICIUM VERUM (ANISE) OIL	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
ILLICIUM VERUM (ANISE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ILLICIUM VERUM (ANISE) SEED OIL	ILLICIUM VERUM (ANISE) SEED OIL	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ILLICIUM VERUM (ANISE) SEED OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ILLITE	CLAYS AND MINERALS	12173-60- 3	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
INDIGOFERA TINCTORIA EXTRACT	INDIGOFERA TINCTORIA EXTRACT	84775-63 -3	The European Union, restricts this ingredient to a maximum of 25% in non-oxidative hair dye products.	Х
INOSITOL, HEXAKIS(DIHYDROGEN PHOSPHATE), CALCIUM MAGNESIUM SALT, MYO-	INOSITOL, HEXAKIS(DIHYDROGEN PHOSPHATE), CALCIUM MAGNESIUM SALT, MYO-	3615-82- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
INTERNAL EWG REVIEW CHEMICAL	benzyl alcohol	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
INULIN		9005-80- 5	The Cosmetic Ingredient Review panel states this substance should contain no more than the following: 1 mg/kg lead, 0.2% ash, and 15% (combined) of monosaccharides (as fructose and glucose) and disaccharides (as sucrose), calculated on the dried basis.	
INULIN	Inulin	9005-80- 5	The Cosmetic Ingredient Review panel states this substance should contain no more than the following: 1 mg/kg lead, 0.2% ash, and 15% (combined) of monosaccharides (as fructose and glucose) and disaccharides (as sucrose), calculated on the dried basis.	
IPDI/PEG-15 COCAMINE COPOLYMER	Ipdi/peg15 Cocamine Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
IPDI/PEG-15 COCAMINE COPOLYMER DIMER DILINOLEATE	Ipdi/peg15 Cocamine Copolymer Dimer Dilinoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
IPDI/PEG-15 COCAMINE/GLYCERETH-7/P OLYGLYCERYL-3 COPOLYMER	Ipdi/peg15 Cocamine/glycereth7/poly glyceryl3 Copolymer	373387-5 0-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
IPDI/PEG-15 SOY GLYCINATE COPOLYMER	Ipdi/peg15 Soy Glycinate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
IPDI/PEG-15 SOYAMINE COPOLYMER	Ipdi/peg15 Soyamine Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
IPDI/PEG-15 SOYAMINE OXIDE COPOLYMER	Ipdi/peg15 Soyamine Oxide Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
IPDI/PEG-15 SOYETHONIUM ETHOSULFATE COPOLYMER	Ipdi/peg15 Soyethonium Ethosulfate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Irone	Methyl ionone, mixed isomers	1335-94- 0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 5.4% Category 2) 1.6% Category 3) 32% Category 4) 30% Category 5A) 7.6% Category 5B) 7.6% Category 5C) 7.6% Category 5D) 7.6% Category 6) 18% Category 7A) 61% Category 7B) 61% Category 8) 3.2% Category 9) 59% Category 10A) 100% Category 10B) 100% Category 11A) 100% Category 11B) 100% Category 12) No Restriction; A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	
IRVINGIA GABONENSIS (OBA) KERNEL BUTTER	IRVINGIA GABONENSIS KERNEL BUTTER	192230-2 8-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
ISATIN	ISATIN	91-56-5	The European Commission restricts this ingredient to a maximum concentration of 1.6% in nonoxidative hair dye products. Required Warning: The European Commission requires the following on the product label/package: 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'	
ISATIN	ISATIN	91-56-5	Per European restrictions, prohibited for use in hair dye	
ISOAMYL ALLYLGLYCOLATE	ISOAMYL ALLYLGLYCOLATE	67634-00 -8	The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.	
ISOAMYLBENZOATE	Benzoate	94-46-2	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
ISOBERGAMATE	ISOBERGAMATE	68683-20 -5	The European Commission restricts this ingredient to a maximum concentration of 0.10%.	
ISOBERGAMATE	Menthadiene7methyl formate	68683-20 -5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 0.1% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.1% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ISOBERGAMATE	Menthadiene7methyl formate	68683-20 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077% Category 2) 0.023% Category 3) 0.46% Category 4) 0.43% Category 5A) 0.11% Category 5B) 0.11% Category 5C) 0.11% Category 5D) 0.11% Category 6) 0.25% Category 7A) 0.88% Category 7B) 0.88% Category 8) 0.045% Category 9) 0.84% Category 10A) 3.0% Category 10B) 3.0% Category 11A) 1.7% Category 11B) 1.7% Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ISOBUTANE	Isobutane	75-28-5	The European Commission bans this ingredient from use in cosmetics if it contains over 0.1% w/w Butadiene	
ISOBUTANE	Isobutane	75-28-5	Health Canada bans this ingredient from use in cosmetics if it contains over 0.1% w/w Butadiene.	
ISOBUTYL BENZOATE	Benzoate	120-50-3	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
ISOBUTYL BENZOATE	ISOBUTYL BENZOATE	120-50-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.01%.	
ISOBUTYL METHACRYLATE/BIS-HYDRO XYPROPYL DIMETHICONE ACRYLATE COPOLYMER	ISOBUTYL METHACRYLATE/BIS-HYD ROXYPROPYL DIMETHICONE ACRYLATE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
ISOBUTYLENE/ISOPRENE COPOLYMER	ISOBUTYLENE/ISOPRENE COPOLYMER	9010-85- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ISOCETEARETH-8 STEARATE	Isoceteareth8 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-10	ISOCETETH10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-10 STEARATE	Isoceteth10 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-12	ISOCETETH12	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-15	ISOCETETH15	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-20	ISOCETETH20	69364-63 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-25	ISOCETETH25	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-3 ACETATE	Isoceteth3 Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ISOCETETH-30	ISOCETETH30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-5	ISOCETETH5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETETH-7	ISOCETETH7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOCETYL SALICYLATE	ISOCETYL SALICYLATE	0	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
ISOCYANIC ACID, TRIESTER WITH 1,3,5-TRIS(6-HYDROXYHEXY L)BIURET	Prepolymer of Hexamethylene diisocyanate	4035-89- 6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ISOCYCLOCITRAL	ISOCYCLOCITRAL	1335-66-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.3% in deodorants/antiperspirants, 1.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 3.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 5.1% in mouthwashes, breath sprays, and toothpastes, 0.5% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid scap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ISOCYCLOCITRAL	ISOCYCLOCITRAL	1335-66-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.3% in deodorants/antiperspirants, 1.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 3.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 5.1% in mouthwashes, breath sprays, and toothpastes, 0.5% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid scap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ISOCYCLOCITRAL	ISOCYCLOCITRAL	1335-66-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.3% in deodorants/antiperspirants, 1.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 3.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 5.1% in mouthwashes, breath sprays, and toothpastes, 0.5% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ISOCYCLOCITRAL	ISOCYCLOCITRAL	1335-66-6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 3.2 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.76 % Category 5C) 0.76 % Category 5D) 0.76 % Category 6) 1.8 % Category 5C) 7A) 6.1 % Category 7B) 6.1 % Category 8) 0.32 % Category 9) 5.9 % Category 10A) 21 % Category 10B) 21 % Category 11A) 12 % Category 11B) 12 % Category 12) No Restriction	
ISOCYCLOCITRAL	ISOCYCLOCITRAL	1335-66-6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 3.2 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.76 % Category 5C) 0.76 % Category 5D) 0.76 % Category 6) 1.8 % Category 5C) 0.76 % Category 5D) 0.76 % Category 6) 1.8 % Category 7A) 6.1 % Category 7B) 6.1 % Category 8) 0.32 % Category 9) 5.9 % Category 10A) 21 % Category 10B) 21 % Category 11A) 12 % Category 11B) 12 % Category 12) No Restriction	
ISOCYCLOCITRAL	ISOCYCLOCITRAL	1335-66-6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.54 % Category 2) 0.16 % Category 3) 3.2 % Category 4) 3.0 % Category 5A) 0.76 % Category 5B) 0.76 % Category 5C) 0.76 % Category 5D) 0.76 % Category 6) 1.8 % Category 5C) 7A) 6.1 % Category 7B) 6.1 % Category 8) 0.32 % Category 9) 5.9 % Category 10A) 21 % Category 10B) 21 % Category 11A) 12 % Category 11B) 12 % Category 12) No Restriction	
ISOCYCLOGERANIOL	ISOCYCLOGERANIOL	68527-77 -5	The European Commission restricts this ingredient to a maximum concentration of 0.5%.	
ISOCYCLOGERANIOL	ISOCYCLOGERANIOL	68527-77 -5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.11% in lip products, 0.14% in deodorants/antiperspirants, 0.5% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.5% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2.8% in mouthwashes, breath sprays, and toothpastes, 0.3% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ISOCYCLOGERANIOL	ISOCYCLOGERANIOL	68527-77 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.29% Category 2) 0.087% Category 3) 1.8% Category 4) 1.6% Category 5A) 0.41% Category 5B) 0.41% Category 5C) 0.41% Category 5D) 0.41% Category 6) 0.96% Category 7A) 3.3% Category 7B) 3.3% Category 8) 0.17% Category 9) 3.2% Category 10A) 11% Category 10B) 11% Category 11A) 6.3% Category 11B) 6.3% Category 12) No Restriction	
ISODECETH-2 COCOATE	Isodeceth2 Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISODECETH-4	ISODECETH4	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISODECETH-5	ISODECETH5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISODECETH-6	ISODECETH6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISODECYL OLEATE	ISODECYL OLEATE	59231-34 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
ISODECYL SALICYLATE	ISODECYL SALICYLATE	85252-25 -1	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
ISODODECANE	Isododecane	31807-55 -3	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 90%.	
ISOEICOSANE	ISOEICOSANE	52845-07 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 37%	
ISOEUGENOL ACETATE	2-Methoxy-4-prop- 1-enylphenyl acetate;ISOEUGENOL ACETATE	93-29-8	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
ISOLAURETH-10	ISOLAURETH10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOLAURETH-3	ISOLAURETH3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOLAURETH-4 PHOSPHATE	Isolaureth4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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ISOLAURETH-6	ISOLAURETH6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOMALT	ISOMALT	64519-82 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 7.77%.	
ISOMERIZED LINOLEIC ACID	ISOMERIZED LINOLEIC ACID	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.75%	
ISOMERIZED SAFFLOWER ACID	ISOMERIZED SAFFLOWER ACID	121250-4 7-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
ISOMERIZED SAFFLOWER GLYCERIDES	ISOMERIZED SAFFLOWER GLYCERIDES	303101-6 1-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ISOMETHYL-beta-IONONE	Methyl ionone, mixed isomers	79-89-0	The International Fragrance Association restricts this ingredient to a maximum concentration of 2% in lip products, 2.59% in deodorants/antiperspirants, 10.56% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 31.67% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 16.67% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 50.72% in mouthwashes, breath sprays, and toothpastes, 5.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ISOMETHYL-beta-IONONE	Methyl ionone, mixed isomers	79-89-0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 5.4% Category 2) 1.6% Category 3) 32% Category 4) 30% Category 5A) 7.6% Category 5B) 7.6% Category 5C) 7.6% Category 5D) 7.6% Category 6) 18% Category 7A) 61% Category 7B) 61% Category 8) 3.2% Category 9) 59% Category 10A) 100% Category 10B) 100% Category 11A) 100% Category 11B) 100% Category 12) No Restriction; A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	
ISOPENTYLDIOL	ISOPENTYLDIOL	2568-33- 4	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 15%.	
ISOPRENE/PENTADIENE COPOLYMER	ISOPRENE/PENTADIENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ISOPROPANOLAMINE	isopropanolamine	78-96-6	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
ISOPROPANOLAMINE LANOLATE	ISOPROPANOLAMINE LANOLATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
	Isopropyl acetate	108-21-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
ISOPROPYL BENZOATE	Benzoate	959-48-0	restricts total benzoate concentration to a maximum of 1% in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ISOPROPYL CRESOLS	ISOPROPYL CRESOLS	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
ISOPROPYL LAURATE	ISOPROPYL LAURATE	10233-13- 3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ISOPROPYL METHOXYCINNAMATE	ISOPROPYLPMETHOXYCIN NAMATE	5466-76- 2	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of approximately 7.9% in rinseoff products (not applied to mucosa) when combined with diisopropyl cinnamate ester (mixture of ethyl 2,4diisopropyl cinnamate and methyl 2,4diisopropyl cinnamate).	
ISOPROPYL METHOXYCINNAMATE	ISOPROPYLPMETHOXYCIN NAMATE	5466-76- 2	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa when combined with diisopropyl cinnamate ester (mixture of ethyl 2,4diisopropyl cinnamate and methyl 2,4diisopropyl cinnamate).	
ISOPROPYL METHOXYCINNAMATE	ISOPROPYLPMETHOXYCIN NAMATE	5466-76- 2	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of approximately 7.9% in leaveon products (not applied to mucosa) when combined with diisopropyl cinnamate ester (mixture of ethyl 2,4diisopropyl cinnamate and methyl 2,4diisopropyl cinnamate).	
ISOPROPYL MYRISTATE	isopropyl myristate	110-27-0	The Cosmetic Ingredient Review concludes this substance is safe as used when formulated to be nonirritatiing up to a concentration of 77.3%.	
ISOPROPYL PPG-2 ISODECETH-7 CARBOXYLATE	Isopropyl Ppg2 Isodeceth7 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Territoria de la constante	T		This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for	X
ISOPROPYL TITANIUM TRIISOSTEARATE	ISOPROPYL TITANIUM TRIISOSTEARATE	61417-49 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use, when used as a surface modifier	
ISOPROPYL TITANIUM TRIISOSTEARATE	ISOPROPYL TITANIUM TRIISOSTEARATE	61417-49 -0	The Cosmetic Ingredient Review stated this ingredient is safe as used in cosmetics at concentrations < 1.4%	
ISOPROPYL-beta-METHYLCY CLOHEXANE-ETHANOL	4(Isopropyl).β.methylcycloh exanethanol	67634-03 -1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.26 % Category 2) 0.39 % Category 3) 0.26 % Category 4) 6.4 % Category 5A) 0.52 % Category 5B) 0.26 % Category 5C) 0.26 % Category 5D) 0.086 % Category 6) 0.26 % Category 7A) 0.26 % Category 7B) 0.26 % Category 8) 0.086 % Category 9) 4.9 % Category 10A) 4.9 % Category 10B) 1.0 % Category 11A) 0.086 % Category 11B) 0.086 % Category 12) 20 %	
ISOPROPYL-METHYLBICYCL OHEXANONE	Thujone	546-80-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.21 % Category 3) 0.032 % Category 4) 1.4 % Category 5A) 0.095 % Category 5B) 0.032 % Category 5C) 0.016 % Category 5D) 0.0053 % Category 6) 0.095 % Category 7A) 0.24 % Category 7B) 0.24 % Category 8) 0.0053 % Category 9) 0.13 % Category 10A) 0.13 % Category 10B) 0.22 % Category 11A) 0.0053 % Category 11B) 0.0053 % Category 12) 9.5 %	
ISOPROPYLAMINE	Isopropylamine	75-31-0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ISOPROPYLAMINE DODECYLBENZENESULFONA TE	ISOPROPYLAMINE DODECYLBENZENESULFO NATE	26264-05 -1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
ISOPROPYLIDENEDIPHENO L BISHYDROXYPROPYL PEG-180	Isopropylidenediphenol Bishydroxypropyl Peg180	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Isopropylideneglycerol	Isopropylideneglycerol;	100-79-8	This substance is restricted to 3% based on the classification provided by companies to ECHA in REACH registrations indicating this substance is suspected of damaging fertility or the unborn child (H361).	
ISOSTEARAMIDE DEA	ISOSTEARAMIDE DEA	52794-79 -3	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
ISOSTEARAMIDE DEA	ISOSTEARAMIDE DEA	52794-79 -3	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
ISOSTEARAMIDE MIPA	ISOSTEARAMIDE MIPA	152848-2 2-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ISOSTEARAMIDOPROPYL BETAINE	ISOSTEARAMIDOPROPYL BETAINE	63566-37 -0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
ISOSTEARAMIDOPROPYL DIMETHYLAMINE	Isostearamidopropyl dimethylamine	67799-04 -6	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
ISOSTEARAMIDOPROPYL MORPHOLINE LACTATE	ISOSTEARAMIDOPROPYL MORPHOLINE LACTATE	0	On the basis of the data presented in this report, the CIR Expert Panel concludes that Isostearamidopropyl Morpholine Lactate is safe for use as a cosmetic ingredient in rinse-off formulations in the present concentrations and practices of use. The Panel also concludes that the available data are insufficient to support safety in leave-on formulations.	
ISOSTEARETH-10	ISOSTEARETH10	52292-17- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOSTEARETH-10	ISOSTEARETH2	52292-17- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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ISOSTEARETH-10	ISOSTEARETH20	52292-17- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOSTEARETH-2	ISOSTEARETH2	52292-17- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOSTEARETH-20	ISOSTEARETH20	52292-17- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOSTEARIC ACID	ISOSTEARIC ACID	30399-84 -9	The Cosmetic Ingredient Review has determined this ingredient to be safe as used when formulated to be nonirritating and nonsensitizing up to a concentration of 26%.	
ISOSTEARYL ACETATE	ISOSTEARYL ACETATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
ISOSTEARYL BENZOATE	Benzoate	34364-24 -4	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
ISOSTEARYL BENZOATE	ISOSTEARYL BENZOATE	34364-24 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
ISOSTEARYL CARBOXYDECYL PEG-8 DIMETHICONE	Isostearyl Carboxydecyl Peg8 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ISOSTEARYL ETHYLHEXANOATE	ISOSTEARYL ETHYLHEXANOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ISOSTEARYL GLYCERYL ETHER	ISOSTEARYL GLYCERYL ETHER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.02%.	
ISOSTEARYL NEOPENTANOATE	ISOSTEARYL NEOPENTANOATE	58958-60 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 14%.	
ISOSTEARYL SEBACATE	ISOSTEARYL SEBACATE	478273-2 4-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.	
ISOSTEARYL TRIMETHYLOLPROPANE SILOXY SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ISOSTEARYL TRIMETHYLOLPROPANE SILOXY SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ISOTHIAZOLINONE CHLORIDE	ISOTHIAZOLINONE CHLORIDE	55965-84 -9	Per COSING, the maximum concentration in RTU preparation is 0.0015% (of a mixture in the ratio 3:1 of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-Methylisothiazol-3(2H)-one)	

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ISOTRIDECYL SALICYLATE	ISOTRIDECYL SALICYLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
Jasmine	Eugenol, contact allergen for eczema products	91770-14 -8	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasmine	Geraniol, contact allergen for eczema products	91770-14 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasmine	Jasmine absolute (sambac)	91770-14 -8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.25% in lip products, 0.32% in deodorants/antiperspirants, 1.33% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 4% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 2.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 6.4% in mouthwashes, breath sprays, and toothpastes, 0.7% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
Jasmine	Linalool, contact allergen for eczema products	91770-14 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE ABSOLUTE	Eugenol, contact allergen for eczema products	84776-64 -7	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE ABSOLUTE	Geraniol, contact allergen for eczema products	84776-64 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE ABSOLUTE	Jasmine absolute (grandiflorum)	84776-64 -7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.05% in deodorants/antiperspirants, 0.22% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.1% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.5% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

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JASMINE ABSOLUTE	Jasmine absolute (grandiflorum)	84776-64 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11% Category 2) 0.032% Category 3) 0.65% Category 4) 0.60% Category 5A) 0.15% Category 5B) 0.15% Category 5C) 0.15% Category 5D) 0.15% Category 6) 0.35% Category 7A) 1.2% Category 7B) 1.2% Category 8) 0.063% Category 9) 1.2% Category 10A) 4.2% Category 10B) 4.2% Category 11A) 2.3% Category 11B) 2.3% Category 12) No Restriction	
JASMINE ABSOLUTE	Jasminum grandiflorum / officinale oil and extract	84776-64 -7	The presence of the substance or substances shall be indicated in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products	
JASMINE ABSOLUTE	Linalool, contact allergen for eczema products	84776-64 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasmine absolute, Egyptian	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasmine absolute, Egyptian	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Jasmine absolute, Egyptian	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE AROMATIC OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE AROMATIC OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE AROMATIC OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE CLOVE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE CLOVE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE CLOVE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE PLANT PHYTO	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
JASMINE PLANT PHYTO	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE SAMBAC OIL	Eugenol, contact allergen for eczema products	91770-14 -8	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE SAMBAC OIL	Geraniol, contact allergen for eczema products	91770-14 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINE SAMBAC OIL	Linalool, contact allergen for eczema products	91770-14 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasminum Auriculatum (Jasmine) Oil	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasminum Auriculatum (Jasmine) Oil	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasminum Auriculatum (Jasmine) Oil	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasminum Auriculatum (Jasmine) Oil	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Jasminum Auriculatum (Jasmine) Oil	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Jasminum Auriculatum (Jasmine) Oil	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
JASMINUM GRANDIFLORUM (JASMINE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE) ABSOLUTE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
JASMINUM GRANDIFLORUM (JASMINE) ABSOLUTE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE) ABSOLUTE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM grandiflorum (JASMINE) FLOWER WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM grandiflorum (JASMINE) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM grandiflorum (JASMINE) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE) FLOWER WAX	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE) FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE) FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
JASMINUM GRANDIFLORUM (JASMINE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM GRANDIFLORUM (JASMINE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
JASMINUM OFFICINALE (JASMINE) EXTRACT	Eugenol, contact allergen for eczema products	90045-94 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) EXTRACT	Geraniol, contact allergen for eczema products	90045-94 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
JASMINUM OFFICINALE (JASMINE) EXTRACT	Jasmine absolute (grandiflorum)	90045-94 -6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.05% in deodorants/antiperspirants, 0.22% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.1% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
JASMINUM OFFICINALE (JASMINE) EXTRACT	Jasmine absolute (grandiflorum)	90045-94 -6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11% Category 2) 0.032% Category 3) 0.65% Category 4) 0.60% Category 5A) 0.15% Category 5B) 0.15% Category 5C) 0.15% Category 5D) 0.15% Category 6) 0.35% Category 7A) 1.2% Category 7B) 1.2% Category 8) 0.063% Category 9) 1.2% Category 10A) 4.2% Category 10B) 4.2% Category 11A) 2.3% Category 11B) 2.3% Category 12) No Restriction	
JASMINUM OFFICINALE (JASMINE) EXTRACT	Linalool, contact allergen for eczema products	90045-94 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
JASMINUM OFFICINALE (JASMINE) FLOWER EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) FLOWER WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
JASMINUM OFFICINALE (JASMINE) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) FLOWER WAX	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
JASMINUM OFFICINALE (JASMINE) FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) OIL	Eugenol, contact allergen for eczema products	8022-96- 6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) OIL	Geraniol, contact allergen for eczema products	8022-96- 6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM OFFICINALE (JASMINE) OIL	Jasmine absolute (grandiflorum)	8022-96-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.05% in deodorants/antiperspirants, 0.22% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.7% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.4% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.1% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.5% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
JASMINUM OFFICINALE (JASMINE) OIL	Jasmine absolute (grandiflorum)	8022-96- 6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11% Category 2) 0.032% Category 3) 0.65% Category 4) 0.60% Category 5A) 0.15% Category 5B) 0.15% Category 5C) 0.15% Category 5D) 0.15% Category 6) 0.35% Category 7A) 1.2% Category 7B) 1.2% Category 8) 0.063% Category 9) 1.2% Category 10A) 4.2% Category 10B) 4.2% Category 11A) 2.3% Category 11B) 2.3% Category 12) No Restriction	
JASMINUM OFFICINALE (JASMINE) OIL	Linalool, contact allergen for eczema products	8022-96- 6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM SAMBAC (ARABIAN JASMINE) FLOWER OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
JASMINUM SAMBAC (ARABIAN JASMINE) FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM SAMBAC (ARABIAN JASMINE) FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM SAMBAC (JASMINE) EXTRACT	Jasmine absolute (sambac)	91770-14 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.68% Category 2) 0.20% Category 3) 4.1% Category 4) 3.8% Category 5A) 0.96% Category 5B) 0.96% Category 5C) 0.96% Category 5D) 0.96% Category 6) 2.2% Category 7A) 7.7% Category 7B) 7.7% Category 8) 0.40% Category 9) 7.4% Category 10A) 26% Category 10B) 26% Category 11A) 15% Category 11B) 15% Category 12) No Restriction	
JASMINUM SAMBAC (JASMINE) EXTRACT	Jasmine absolute (sambac)	91770-14 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.68% Category 2) 0.20% Category 3) 4.1% Category 4) 3.8% Category 5A) 0.96% Category 5B) 0.96% Category 5C) 0.96% Category 5D) 0.96% Category 6) 2.2% Category 7A) 7.7% Category 7B) 7.7% Category 8) 0.40% Category 9) 7.4% Category 10A) 26% Category 10B) 26% Category 11A) 15% Category 11B) 15% Category 12) No Restriction	
JASMINUM SAMBAC (JASMINE) EXTRACT	Linalool, contact allergen for eczema products	91770-14 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM SAMBAC (JASMINE) FLOWER WAX	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM SAMBAC (JASMINE) FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JASMINUM SAMBAC (JASMINE) FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
JOJOBA ESTERS	JOJOBA ESTERS	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 44%	
JUGLANS REGIA (PERSIAN WALNUT)	JUGLANS REGIA (WALNUT) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
JUGLANS REGIA (PERSIAN WALNUT) SEED OIL	JUGLANS REGIA (WALNUT) SEED OIL	8024-09- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
KAOLIN	CLAYS AND MINERALS	1332-58-7	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
Kaolin Clay	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
KAOLIN DIOLEATE	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
KAOLIN, CALCINED	CLAYS AND MINERALS	92704-41 -1	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
KAOLINITE	CLAYS AND MINERALS	1318-74-7	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
KEFIRAN	KEFIRAN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
KELP SULFATED OLIGOSACCHARIDES	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
KERATIN	Keratin	68238-35 -7	Health Canada requires manufacturers using substances of human origin provide the following information to the Cosmetics Division of the Consumer Product Safety Bureau: source of the substance; a description of the method of production; quality control data, particularly those relating to microbial limits (including viruses) and the absence of estrogenic substances; product labelling.	
KERATIN	KERATIN	68238-35 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
KERATIN AMINO ACIDS	KERATIN AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance	
KEYS EMULSIFYING WAX	CETEARYL ALCOHOL	0	The Cosmetic Ingredient Review has determined that cetearyl alcohol (a component of emulsifying wax) is safe as used up to a concentration of 25%.	
KIDACHI ALOE EKISU	ALOE ARBORESCENS LEAF EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
KIWI FRUIT HONEY	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
KIWI FRUIT HONEY	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
KIWI FRUIT HONEY	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	
KURO401	4Amino5hydroxy3(4nitroph enylazo)6 (phenylazo)2,7 naphthalenedisulfonic acid, disodium salt	1064-48- 8	(*) The European Commission restricts this ingredient to a maximum concentration of 0.5% in nonoxidative hair dye products.	
l-allo-OCIMENOL	LALLOOCIMENOL	126-90-9	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
l-allo-OCIMENOL	Linalool; dLinalool; lLinalool	126-90-9	The International Fragrance Association restricts the total peroxide content (in the final product) to a maximum concentration of 20 millimoles peroxides per liter.	
l-alpha-PINENE	LALPHAPINENE	7785-26- 4	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
L-ASCORBIC ACID, 2-(3,4-DIHYDRO-2,5,7,8-TETR AMETHYL-2-(4,8,12-TRIMETH YLTRIDECYL)-2H-1-	TOCOPHERYL ACETATE	132746-0 7-7	This ingredient should not contain detectable levels of hydroquinone.	
l-beta-PINENE	LBETAPINENE	18172-67- 3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L	
L-CARNITINE HYDROCHLORIDE	L-CARNITINE HYDROCHLORIDE	6645-46- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
I-CARVONE	CARVONE	6485-40- 1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.08% in lip products, 0.1% in deodorants/antiperspirants, 0.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.2% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.6% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.9% in mouthwashes, breath sprays, and toothpastes, 0.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
I-CARVONE	CARVONE	6485-40- 1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.20% Category 2) 0.060% Category 3) 0.020% Category 4) 0.59% Category 5A) 0.20% Category 5B) 0.039% Category 5C) 0.059% Category 5D) 0.013% Category 6) 0.66% Category 7A) 0.039% Category 7B) 0.039% Category 8) 0.013% Category 9) 0.18% Category 10A) 0.18% Category 10B) 0.43% Category 11A) 0.013% Category 11B) 0.013% Category 12) 17%	
I-CARVONE	Contact allergens for eczema products	6485-40- 1	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	Х
I-Limonene	LLIMONENE	5989-54- 8	The European Commission restricts this ingredient's peroxide content to less than 20 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
LACTALBUMIN	αlactalbumin	9013-90- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
LACTIC ACID	Lactic acid	50-21-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LACTIC ACID	LACTICACID	50-21-5	Health Canada restricts this ingredient to a maximum concentration of 10% and a minimum pH of 3.5. Additionally, preparations containing concentrations of AHAs between 10% and 30% or a pH between 3.0 to 3.5 may be permitted for professional use if the manufacturer provides Health Canada with evidence of their safety including pH levels, AHA concentrations, directions for use, and clinical studies demonstrating minimal skin irritation. Preparations intended to be diluted in bath water may contain levels of citric acid exceeding 10%. Required Warning: Health Canada requires the following on the product label/package in all skin products containing AHAs at concentrations equal to or greater than 3%: 'Use only as directed'; 'Avoid contact with the eyes'; 'If irritation persists, discontinue use and consult a physician'; 'It is recommended that prior to exposure to the sun, users cover areas where AHAs have been applied with sunscreen'; 'Contact of the product with the skin must be of limited frequency or duration.'	
LACTIC ACID, ISOPROPYL ESTER	ISOPROPYL LACTATE	617-51-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
LACTITOL	LACTITOL	585-86-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LACTOBACILLUS-MILK/MAN GANESE/ZINC FERMENT LYSATE	LACTOBACILLUSMILK/MA NGANESE/ZINC FERMENT LYSATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
LACTOBACILLUS/ALGAE EXTRACT FERMENT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LACTOBACILLUS/ALOE BARBADENSIS FERMENT FILTRATE	ALOE BARBADENSIS LEAF	0	The Cosmetic Ingredient Review restricts the anthraquinone (or aloin) content of this ingredient to less than 50 ppm, 40 ppm PCB/pesticides, 10 ppm arsenic, 10 ppm heavy metals, and 10 ppm lead.	
LACTOBACILLUS/KELP FERMENT FILTRATE	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LACTOGLOBULIN	LACTOGLOBULIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LACTOSE	LACTOSE	63-42-3	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 9.4%.	
LACTULOSE	LACTULOSE	4618-18- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAMINARIA DIGITATA	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LAMINARIA DIGITATA EXTRACT	Algae and related substances	90046-12 -1	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LAMINARIA DIGITATA EXTRACT	LAMINARIA DIGITATA EXTRACT	90046-12 -1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 5%	

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LAMINARIA DIGITATA POWDER	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LAMINARIA DIGITATA POWDER	LAMINARIA DIGITATA POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 40%.	
LAMINARIA HYPERBOREA	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LAMINARIA HYPERBOREA EXTRACT	Algae and related substances	90046-11 -0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LAMINARIA HYPERBOREA EXTRACT	LAMINARIA HYPERBOREA EXTRACT	90046-11 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAMINARIA HYPERBOREA EXTRACT	LAMINARIA HYPERBOREA EXTRACT	90046-11 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAMINARIA SACCHARINA	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LAMINARIA SACCHARINA EXTRACT	Algae and related substances	92128-82 -0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LAMINARIA SACCHARINA EXTRACT	LAMINARIA SACCHARINA EXTRACT	92128-82 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.54%.	
LANETH-15	LANETH15	61791-20- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LANETH-16	LANETH16	61791-20- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
LANETH-5	LANETH5	61791-20- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
LANOLIN ACID	LANOLIN ACID	68424-43 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
LANOLIN ALCOHOL	Contact allergens for eczema products	8027-33- 6	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
LANOLIN ALCOHOL	LANOLIN ALCOHOL	8027-33- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
LANOLIN CERA	LANOLIN WAX	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LANOLIN WAX	LANOLIN WAX	68201-49 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
LANOLINAMIDE DEA	LANOLINAMIDE DEA	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
LANOLINAMIDE DEA	LANOLINAMIDE DEA	0	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
LAPYRIUM CHLORIDE	LAPYRIUM CHLORIDE	6272-74- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.03% in body wash products.	
LARD	LARD	61789-99 -9	The Cosmetic Ingredient Review restricts the lead, arsenic, mercury, and total PCB/pesticide contents of this ingredient to maximum concentrations of 0.1 ppm, 3 ppm, 1 ppm, and 40 ppm (with 10 ppm for any specific residue), respectively.	
LARD GLYCERIDE	LARD GLYCERIDE	61789-10 -4	The Cosmetic Ingredient Review restricts the lead, arsenic, mercury, and total PCB/pesticide contents of this ingredient to maximum concentrations of 0.1 ppm, 3 ppm, 1 ppm, and 40 ppm (with 10 ppm for any specific residue), respectively.	
LAURAMIDE DEA	LAURAMIDE DEA	120-40-1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
LAURAMIDE DEA	LAURAMIDE DEA	120-40-1	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
LAURAMIDE MIPA	LAURAMIDE MIPA	142-54-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
LAURAMIDE/MYRISTAMIDE DEA	AMIDES, C1214, N,NBIS(HYDROXYETHYL)	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
LAURAMIDE/MYRISTAMIDE DEA	LAURAMIDE/MYRISTAMID E DEA	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
LAURAMIDE/MYRISTAMIDE DEA	LAURAMIDE/MYRISTAMID E DEA	0	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	

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LAURAMIDOPROPYL BETAINE	LAURAMIDOPROPYL BETAINE	4292-10- 8	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
LAURAMIDOPROPYL DIMETHYLAMINE	Lauramidopropyl dimethylamine	3179-80- 4	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
LAURAMIDOPROPYL HYDROXYSULTAINE	LAURAMIDOPROPYL HYDROXYSULTAINE	0	The CIR panel expressed concern about DMAPA impurities in this ingredient. The concentration of DMAPA in this ingredient must not exceed 0.01%. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
		0	The Cosmetic Ingredient Review found this substance	
LAURAMINE	LAURAMINE	124-22-1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
LAURAMINE OXIDE	LAURAMINE OXIDE	1643-20- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3.7% in leaveon products.	
LAURDIMONIUM HYDROXYPROPYL HYDROLYZED WHEAT PROTEIN/SILOXYSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
LAURDIMONIUM HYDROXYPROPYL HYDROLYZED WHEAT PROTEIN/SILOXYSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
LAURDIMONIUM HYDROXYPROPYL HYDROLYZED WHEAT STARCH	LAURDIMONIUM HYDROXYPROPYL HYDROLYZED WHEAT STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAUREL LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAUREL LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAURETH SULFOSUCCINATE	Laureth Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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LAURETH-1	LAURETH1	4536-30- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-1 PHOSPHATE	Laureth1 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-10	LAURETH10	6540-99- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-10 CARBOXYLIC ACID	Laureth10 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-10 CARBOXYLIC ACID	Laureth11 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-10 CARBOXYLIC ACID	Laureth13 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-10 CARBOXYLIC ACID	Laureth14 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-10 CARBOXYLIC ACID	Laureth17 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-11	LAURETH11	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-11 CARBOXYLIC ACID	Laureth11 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-12	LAURETH12	3056-00- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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LAURETH-12 CARBOXYLIC ACID	Laureth12 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-12 SUCCINATE	Laureth12 Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-13	LAURETH13	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-13 CARBOXYLIC ACID	Laureth13 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-13 PG-HYDROXYETHYLCELLUL OSE	Laureth13 PgHydroxyethylcellulose	312601-9 7-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-14	LAURETH14	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-14 CARBOXYLIC ACID	Laureth14 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-15	LAURETH15	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-16	LAURETH16	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-17 CARBOXYLIC ACID	Laureth17 Carboxylic Acid	27306-90 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-2	LAURETH2	3055-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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LAURETH-2 ACETATE	Laureth2 Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-2 BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
LAURETH-2 BENZOATE	Laureth2 Benzoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-2 ETHYLHEXANOATE	Laureth2 Ethylhexanoate	125804-1 4-0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-2 PHOSPHATE	Laureth2 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-20	LAURETH20	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-21	LAURETH21	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-25	LAURETH25	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-3	LAURETH3	3055-94- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-3 CARBOXYLIC ACID	Laureth3 Carboxylic Acid	20858-24 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-3 PHOSPHATE	Laureth3 Phosphate	25852-45 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-30	LAURETH30	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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LAURETH-35	Laureth35	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-38	LAURETH38	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-4	LAURETH4	5274-68- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-4 CARBOXYLIC ACID	Laureth4 Carboxylic Acid	20858-25 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-4 PHOSPHATE	Laureth4 Phosphate	39464-66 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-4 PHOSPHATE	Laureth7 Phosphate	39464-66 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-4 PHOSPHATE	Laureth8 Phosphate	39464-66 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-40	LAURETH40	9002-92- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-5	LAURETH5	3055-95- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-5 BUTYL ETHER	Laureth5 Butyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-5 CARBOXYLIC ACID	Laureth5 Carboxylic Acid	21127-45 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LAURETH-50	LAURETH50	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-6	LAURETH6	3055-96- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-6 CARBOXYLIC ACID	Laureth6 Carboxylic Acid	20260-64 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-6 CITRATE	Laureth6 Citrate	161756-3 0-5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-7	LAURETH7	3055-97- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-7 CITRATE	Laureth7 Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-7 METHYL LACTATE	Laureth7 Methyl Lactate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-7 PHOSPHATE	Laureth7 Phosphate	39464-66 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-7 TARTRATE	Laureth7 Tartrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-8	LAURETH8	3055-98- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-8 CARBOXYLIC ACID	Laureth8 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LAURETH-8 PHOSPHATE	Laureth8 Phosphate	39464-66 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURETH-9	LAURETH9	3055-99- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURIC ACID	LAURIC ACID	143-07-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
LAURIC/PALMITIC/OLEIC TRIGLYCERIDE	LAURIC/PALMITIC/OLEIC TRIGLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAUROYL COLLAGEN AMINO ACIDS	Lauroyl collagen amino acids	68920-59 -2	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
LAUROYL COLLAGEN AMINO ACIDS	LAUROYL HYDROLYZED COLLAGEN	68920-59 -2	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
LAUROYL HYDROLYZED COLLAGEN	LAUROYL HYDROLYZED COLLAGEN	68920-59 -2	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
LAUROYL LYSINE	Lauroyl lysine	52315-75 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 45%	
LAUROYL SARCOSINE	LAUROYL SARCOSINE	97-78-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
LAURTRIMONIUM BROMIDE	LAURTRIMONIUM BROMIDE	1119-94- 4	Per COSING, prohibited for use in children's products, lip products, products that may lead to lung exposure, and/or products that will come into contact with mucosal membranes.	
LAURUS NOBILIS LEAF	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAURUS NOBILIS LEAF	LAURUS NOBILIS LEAF	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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LAURUS NOBILIS LEAF	LAURUS NOBILIS LEAF	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
LAURUS NOBILIS LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAURUS NOBILIS LEAF EXTRACT	Eugenol, contact allergen for eczema products	84603-73 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAURUS NOBILIS LEAF EXTRACT	Laurus Nobilis Leaf Extract	84603-73 -6	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
LAURUS NOBILIS LEAF EXTRACT	Laurus Nobilis Leaf Extract	84603-73 -6	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
LAURUS NOBILIS LEAF EXTRACT	Linalool, contact allergen for eczema products	84603-73 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	х
LAURUS NOBILIS LEAF OIL	Laurus nobilis oil	8002-41- 3	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
LAURUS NOBILIS LEAF WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAURUS NOBILIS LEAF WATER	LAURUS NOBILIS LEAF WATER	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
LAURUS NOBILIS LEAF WATER	LAURUS NOBILIS LEAF WATER	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LAURUS NOBILIS LEAF WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAURUS NOBILLIS (LAUREL) BERRY EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAURUS NOBILLIS (LAUREL) BERRY EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAURYL ACRYLATE CROSSPOLYMER	LAURYL ACRYLATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
LAURYL ACRYLATE CROSSPOLYMER	LAURYL ACRYLATE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
LAURYL ACRYLATE/VA COPOLYMER	LAURYL ACRYLATE/VA COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
LAURYL ACRYLATE/VA CROSSPOLYMER	LAURYL ACRYLATE/VA CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
LAURYL ACRYLATE/VA CROSSPOLYMER	LAURYL ACRYLATE/VA CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
LAURYL BETAINE	LAURYL BETAINE	683-10-3	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 8.8% when formulated to be non-irritating.	
LAURYL DIMETHICONE	LAURYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
LAURYL DIMETHICONE PEG-15 CROSSPOLYMER	LAURYL DIMETHICONE	0	The Cosmetic Ingredient Review found this substance	
LAURYL DIMETHICONE PEG-15 CROSSPOLYMER	LAURYL DIMETHICONE PEG15 CROSSPOLYMER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURYL DIMETHICONE PEG-15 CROSSPOLYMER	LAURYL DIMETHICONE PEG15 CROSSPOLYMER	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LAURYL DIMETHICONE/POLYGLYCER IN-3 CROSSPOLYMER	LAURYL DIMETHICONE/POLYGLYC ERIN-3 CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
LAURYL DIMETHICONE/POLYGLYCER IN-3 CROSSPOLYMER	LAURYL DIMETHICONE/POLYGLYC ERIN-3 CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAURYL DIMETHYLAMINE CYCLOCARBOXYPROPYLOLE ATE	LAURYL DIMETHYLAMINE CYCLOCARBOXYPROPYLO LEATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
LAURYL HYDROXYSULTAINE	LAURYL HYDROXYSULTAINE	13197-76- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAURYL METHACRYLATE/ GLYCOL DIMETHACRYLATE CROSSPOLYMER	LAURYL METHACRYLATE/ GLYCOL DIMETHACRYLATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
LAURYL METHACRYLATE/ GLYCOL DIMETHACRYLATE CROSSPOLYMER	Lauryl Methacrylate/Glycol Dimethacrylate Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
LAURYL METHACRYLATE/SODIUM METHACRYLATE CROSSPOLYMER	Lauryl Methacrylate/sodium Methacrylate Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 8%	
LAURYL METHACRYLATE/SODIUM METHACRYLATE CROSSPOLYMER	LAURYL METHACRYLATE/SODIUM METHACRYLATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
LAURYL PEG-10 METHYL ETHER DIMETHICONE	LAURYL PEG-10 METHYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAURYL PEG-10 METHYL ETHER DIMETHICONE	Lauryl Peg10 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURYL PEG-10 TRIS(TRIMETHYLSILOXY)SIL YLETHYL DIMETHICONE	LAURYL PEG-10 TRIS(TRIMETHYLSILOXY)S ILYLETHYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
LAURYL PEG-10 TRIS(TRIMETHYLSILOXY)SIL YLETHYL DIMETHICONE	LAURYL PEG-10 TRIS(TRIMETHYLSILOXY)S ILYLETHYL DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAURYL PEG-8 DIMETHICONE	LAURYL PEG-8 DIMETHICONE	0	According to the Cosmetic Ingredient Review (CIR) this ingredient is safe as used at concentrations < 5%. The CIR also states that cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

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LAURYL PEG-9 POLYDIMETHYLSILOXYETHY L DIMETHICONE	LAURYL PEG-9 POLYDIMETHYLSILOXYET HYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
LAURYL PEG-9 POLYDIMETHYLSILOXYETHY L DIMETHICONE	LAURYL PEG-9 POLYDIMETHYLSILOXYET HYL DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAURYL PEG-9 POLYDIMETHYLSILOXYETHY L DIMETHICONE	Lauryl Peg9 Polydimethylsiloxyethyl Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURYL PEG/ PPG-18/ 18 METHICONE	LAURYL PEG/ PPG-18/ 18 METHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
LAURYL PEG/ PPG-18/ 18 METHICONE	LAURYL PEG/ PPG-18/ 18 METHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAURYL PEG/ PPG-18/ 18 METHICONE	Lauryl Peg/ Ppg18/ 18 Methicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LAURYL PHOSPHATE	LAURYL PHOSPHATE	12751-23- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
LAURYL POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHY L DIMETHICONE	LAURYL POLYGLYCERYL-3 POLYDIMETHYLSILOXYET HYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
LAURYL SULTAINE	LAURYL SULTAINE	14933-08 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LAVANDIN SUPER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDIN SUPER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) FLOWER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) FLOWER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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LAVANDULA (LAVENDER) FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) OIL EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) OIL EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) PLANT PHYTO	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) PLANT PHYTO	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) SPIKE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA (LAVENDER) SPIKE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA (LAVENDER) WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA ANGUSTIFOLIA (LAVENDER)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA ANGUSTIFOLIA (LAVENDER) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER/LEAF/STEM EXTRACT	Geraniol, contact allergen for eczema products	90063-37 -9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER/LEAF/STEM EXTRACT	Linalool, contact allergen for eczema products	90063-37 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER/LEAF/STEM JUICE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER/LEAF/STEM JUICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER/LEAF/STEM OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) FLOWER/LEAF/STEM OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA ANGUSTIFOLIA (LAVENDER) WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA HYBRIDA (LAVANDIN) (unspecified)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA HYBRIDA (LAVANDIN) (unspecified)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA HYBRIDA EXTRACT	Geraniol, contact allergen for eczema products	93165-50 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA HYBRIDA EXTRACT	Lavandula hybrida oil/extract; Lavandula intermedia oil/extract; Lavandula angustifolia oil/extract	93165-50 -5	The presence of the substance or substances shall be indicated in the list of ingredients when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
LAVANDULA HYBRIDA EXTRACT	Linalool, contact allergen for eczema products	93165-50 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA HYBRIDA FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA HYBRIDA FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LAVANDULA HYBRIDA OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA HYBRIDA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA INTERMEDIA (LAVANDIN)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA INTERMEDIA (LAVANDIN)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA INTERMEDIA (LAVANDIN) OIL EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA INTERMEDIA (LAVANDIN) OIL EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Lavandula Intermedia Flower/Leaf/Stem Extract	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Lavandula Intermedia Flower/Leaf/Stem Extract	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA LATIFOLIA (SPIKE LAVENDER)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVANDULA LATIFOLIA (SPIKE LAVENDER)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA LATIFOLIA (SPIKE LAVENDER) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA LATIFOLIA (SPIKE LAVENDER) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA LATIFOLIA (SPIKE LAVENDER) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA LATIFOLIA (SPIKE LAVENDER) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LAVANDULA LATIFOLIA EXTRACT	Geraniol, contact allergen for eczema products	84837-04 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
LAVANDULA LATIFOLIA EXTRACT	Linalool, contact allergen for eczema products	84837-04 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA OFFICINALIS EXTRACT SULFURIZED PALLADIUM SALT	Geraniol, contact allergen for eczema products	97660-01 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA OFFICINALIS EXTRACT SULFURIZED PALLADIUM SALT	Linalool, contact allergen for eczema products	97660-01 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA STOECHAS (FRENCH LAVENDER)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA STOECHAS (FRENCH LAVENDER)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA STOECHAS (FRENCH LAVENDER) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA STOECHAS (FRENCH LAVENDER) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA STOECHAS EXTRACT	Geraniol, contact allergen for eczema products	90063-38 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVANDULA STOECHAS EXTRACT	Linalool, contact allergen for eczema products	90063-38 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVENDER ALCOHOL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVENDER ALCOHOL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LAVENDULA (LAVENDER) TINCTURE EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LAVENDULA (LAVENDER) TINCTURE EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LAWSONE	LAWSONE	83-72-7	This substance is not allowed for use in products used in the eye greg, as defined by the U.S. FDA.	
LAWSONE	LAWSONE	83-72-7	Per the U.S. FDA., henna shall conform to the following specifications: It shall not contain more than 10 percent of plant material from Lawsonia alba Lam. (Lawsonia inermis L.) other than the leaf and petiole, and shall be free from admixture with material from any other species of plant. Moisture, not more than 10 percent. Total ash, not more than 15 percent. Acid-insoluble ash, not more than 5 percent. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million.	
LAWSONIA INERMIS (HENNA) EXTRACT	LAWSONIA INERMIS (HENNA) EXTRACT	84929-30 -6	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
LAWSONIA INERMIS (HENNA) FLOWER/FRUIT/LEAF EXTRACT	LAWSONIA INERMIS (HENNA) FLOWER/FRUIT/LEAF EXTRACT	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
LAWSONIA INERMIS (HENNA) POWDER	LAWSONIA INERMIS (HENNA) POWDER	0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
LECITHIN	LECITHIN	8002-43- 5	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
LECITHINAMIDE DEA	LECITHINAMIDE DEA	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
LECITHINAMIDE DEA	LECITHINAMIDE DEA	0	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
Lemon Oil Terpenes	Limonene, contact allergen for eczema products	68917-33- 9	This ingredient contains Limonene, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Lemongrass terpenes	Citral, contact allergen for eczema products	72869-82 -0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Lemongrass terpenes	Geraniol, contact allergen for eczema products	72869-82 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
Lemongrass terpenes	Linalool, contact allergen for eczema products	72869-82 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LESSONIA NIGRESCENS (GREY WEED)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
LEUCINE	LEUCINE	328-39-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LEUCONOSTOC	LEUCONOSTOC	1686112- 10-6	The Cosmetic Ingredient Review states this ingredient is safe as used at concentrations < 6%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Leuconostoc Ferment Filtrate	Leuconostoc Ferment Filtrate	0	Salicylic acid is a component of this ingredient (between 18-22%) and the total salicylic acid content in the finished product must not exceed 0.5% based on the EU Scientific Committee on Consumer Safety (SCCS) opinion on salicylic acid.	
LEUCONOSTOC/RADISH ROOT FERMENT FILTRATE	Leuconostoc Ferment Filtrate	0	Salicylic acid is a component of this ingredient (between 18-22%) and the total salicylic acid content in the finished product must not exceed 0.5% based on the EU Scientific Committee on Consumer Safety (SCCS) opinion on salicylic acid.	
LEUCONOSTOC/RADISH ROOT FERMENT FILTRATE	LEUCONOSTOC/RADISH ROOT FERMENT FILTRATE	0	Use of this ingredient requires substantiation that (1) it contains < 0.01ppm of didecyldimethylammonium chloride and (2) meets current VERIFIED restrictions on salicylic acid, a component of this ingredient (maxiumum concentration of salicylic acid in final products = 0.2% according to Japanese Ministry of Health, Labour and Welfare; current as of October 2020).	
		9013-95- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LEVULINIC ACID	LEVULINIC ACID	123-76-2	was safe as used up to a concentration of 4.5%.	
LIATRIS ODORATISSIMA LEAF EXTRACT	Coumarin, contact allergen for eczema products	68602-86 -8	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Lime Juice Concentrate	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Lime oil terpeneless	Citral, contact allergen for eczema products	68916-84 -7	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Lime oil terpeneless	Citrus oils and other furocoumarins containing essential oils (Bergapten)	68916-84 -7	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
Lime oil terpenes	Citral, contact allergen for eczema products	68917-71- 5	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LIMONENE	Contact allergens for eczema products	138-86-3	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	x
LIMONENE	Limonene	138-86-3	The European Commission restricts this ingredient's peroxide content to less than 20 mmoles/L. Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
LIMONENE	Limonene	138-86-3	The European Commission restricts this ingredient's peroxide content to less than 20 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
LIMONENE	Limonene	138-86-3	The International Fragrance Association restricts the total peroxide content (in the final product) to a maximum concentration of 20 millimoles peroxides per liter.	
LINALOOL	Contact allergens for eczema products	78-70-6	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	Х

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LINALOOL	Linalool	78-70-6	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
LINALOOL	Linalool; dLinalool; lLinalool	78-70-6	The International Fragrance Association restricts the total peroxide content (in the final product) to a maximum concentration of 20 millimoles peroxides per liter.	
LINALYL ACETATE	3,7-Dimethyl octa-1,6-diene-3-yl acetate	115-95-7	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
LINALYL BENZOATE	Benzoate	126-64-7	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum 1% in the finished product.	
linear alcohol ethoxylates	Linear Alcohol Ethoxylates	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LINOLEAMIDE DEA	LINOLEAMIDE DEA	27883-12- 1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
LINOLEAMIDE DEA	LINOLEAMIDE DEA	27883-12- 1	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
LINOLEAMIDE MIPA	LINOLEAMIDE MIPA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
LINOLEAMIDOPROPYL DIMETHYLAMINE	Linoleamidopropyl dimethylamine	81613-56- 1	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
LINOLEAMIDOPROPYL PG-DIMONIUM CHLORIDE PHOSPHATE DIMETHICONE	LINOLEAMIDOPROPYL PG-DIMONIUM CHLORIDE PHOSPHATE DIMETHICONE	179005-0 4-0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
LINOLEIC ACID	LINOLEIC ACID	60-33-3	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <21.8%	
LINOLENIC ACID	LINOLENIC ACID	463-40-1	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <1%	
LINSEED MEAL	Linseed Oilcake	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
LINSEED OIL PEG-8 ESTERS	LINSEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
LINSEED OIL PEG-8 ESTERS	Linseed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LINUM USITATISSIMUM (FLAX) SEED EXTRACT	LINUM USITATISSIMUM (FLAX) SEED EXTRACT	0	Per COSING, prohibited for use in children's products, lip products, products that may lead to lung exposure, and/or products that will come into contact with mucosal membranes.	
LINUM USITATISSIMUM (LINSEED) SEED OIL	LINUM USITATISSIMUM (LINSEED) OIL	8001-26- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 10%	
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EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LINUM USITATISSIMUM (LINSEED) SEED OIL	LINUM USITATISSIMUM (LINSEED) SEED OIL	8001-26- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
LIPASE	LIPASE	9001-62-	Product must not be inhalable. (designated as	
		1	sensitizing asthmagen by the Association of	
LIPPIA MULTIFLORA MOLDENKE EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LIPPIA MULTIFLORA MOLDENKE EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LIQUIDAMBAR ORIENTALIS EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	94891-27 -7	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LIQUIDAMBAR ORIENTALIS EXTRACT	LIQUIDAMBAR ORIENTALIS EXTRACT	94891-27 -7	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
LIQUIDAMBAR ORIENTALIS EXTRACT	Styrax	94891-27 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.12% Category 2) 0.034% Category 3) 0.69% Category 4) 0.64% Category 5A) 0.16% Category 5B) 0.16% Category 5C) 0.16% Category 5D) 0.16% Category 6) 0.38% Category 7A) 1.3% Category 7B) 1.3% Category 8) 0.068% Category 9) 1.3% Category 10A) 4.5% Category 10B) 4.5% Category 11A) 2.5% Category 11B) 2.5% Category 12) No Restriction ; Benzopyrene and 1,2Benzanthracene are to be used as markers for PAH. If used alone or in combination with rectified Cade oil, rectified Birch tar oils or rectified Opoponax oil, the total concentration of both of the markers should not exceed 1 ppb in the final product.	
LIQUIDAMBAR ORIENTALIS EXTRACT	Styrax (distillates)	94891-27 -7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.05% in deodorants/antiperspirants, 0.23% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.6% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.36% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.6% in mouthwashes, breath sprays, and toothpastes, 0.11% in intimate wipes, and baby wipes, 0.6% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
LIQUIDAMBAR STYRACIFLUA OIL	Cinnamyl Alcohol, contact allergen for eczema products	0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	X
LIQUIDAMBAR STYRACIFLUA OIL	STORAX	0	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
LITHIUM ALUMINUM SILICATE	Aluminum Compounds	1302-66- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LITHIUM ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	1302-66- 5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
LITHIUM ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	1302-66- 5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
LITHIUM ALUMINUMTRI-TERT-BUTOX YHYDRIDE	Aluminum Compounds	17476-04 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
LITHIUM HYDROXIDE	LITHIUM HYDROXIDE	1310-65-2	The European Commission restricts this ingredient to a maximum concentration of 2% in generaul use hair straighteners and 4.5% in professional use hair straighteners (The concentration of sodium, potassium or lithium hydroxide is expressed as weight of sodium hydroxide. In case of mixtures, the sum should not exceed the limits given in the column 'Maximum concentration in ready for use preparation'). As a pH ajuster, it can have a maximum pH of 12.7 in depilatories and 11 in all other rinseoff products. Required Warning: The European Commission requires the following warning text on the product label/package of general use hair straighteners: 'Contains alkali'; 'Avoid contact with eyes'; 'Can cause blindness'; Keep out of reach of children'. For professional use hair straighteners, the following are required on the label: 'Contains alkali'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with eyes'; 'Keep out of reach of children'; 'Avoid contact with	
LITHIUM MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	37220-90 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
LITHIUM MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	37220-90 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
LITHIUM MAGNESIUM SODIUM SILICATE	Silica, amorphous; silicate; borosilicate	53320-86 -8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
LITHIUM MAGNESIUM SODIUM SILICATE	Silica, amorphous; silicate; borosilicate	53320-86 -8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LITHIUM OXIDIZED POLYETHYLENE	Lithium Oxidized Polyethylene	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
LITHIUM STEARATE	LITHIUM STEARATE	4485-12- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
LITHIUM SULFIDE	lithium sulfide	12136-58- 2	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
LITHIUM SULFIDE	LITHIUMSULFIDE	12136-58-	Health Canada restricts this ingredient to a maximum concentration of 2% (sulfur) in depilatory products	
LITSEA CITRATA (VERBENA)	Citral, contact allergen for eczema products	0	This ingredient of 2% (standard) in depined by products. This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	х
LITSEA CITRATA (VERBENA)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CITRATA (VERBENA)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LITSEA CITRATA (VERBENA) OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CITRATA (VERBENA) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CITRATA (VERBENA) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LITSEA CITRATA OIL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CITRATA OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CITRATA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA (MAY CHANG)	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LITSEA CUBEBA (MAY CHANG)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA (MAY CHANG)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA (MAY CHANG) EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA (MAY CHANG) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA (MAY CHANG) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA (MAY CHANG) OIL	Citral, contact allergen for eczema products	68855-99 -2	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA (MAY CHANG) OIL	Geraniol, contact allergen for eczema products	68855-99 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA (MAY CHANG) OIL	Linalool, contact allergen for eczema products	68855-99 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LITSEA CUBEBA (MAY CHANG) OIL	LITSEA CUBEBA (MAY CHANG) OIL	68855-99 -2	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association .	
LITSEA CUBEBA FRUIT EXTRACT	Citral, contact allergen for eczema products	90063-59 -5	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LITSEA CUBEBA FRUIT EXTRACT	Geraniol, contact allergen for eczema products	90063-59 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
LITSEA CUBEBA FRUIT EXTRACT	Linalool, contact allergen for eczema products	90063-59 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA FRUIT EXTRACT HYDROGENATED	Citral, contact allergen for eczema products	92457-16 -4	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA CUBEBA FRUIT EXTRACT HYDROGENATED	Geraniol, contact allergen for eczema products	92457-16 -4	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
LITSEA CUBEBA FRUIT EXTRACT HYDROGENATED	Linalool, contact allergen for eczema products	92457-16 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA GLUTINOSA BARK EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA GLUTINOSA BARK EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LITSEA GLUTINOSA BARK EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LOCUST BEAN HYDROXYPROPYLTRIMONIU M CHLORIDE	LOCUST BEAN HYDROXYPROPYLTRIMON IUM CHLORIDE	0	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4% in rinseoff products.	
LOLIUM PERENNE FRUIT EXTRACT	Coumarin, contact allergen for eczema products	90063-63 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LOLIUM PERENNE FRUIT OIL	Coumarin, contact allergen for eczema products	90063-63 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LOLIUM PERENNE LEAF EXTRACT	Coumarin, contact allergen for eczema products	90063-63 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
LOLIUM PERENNE LEAF OIL	Coumarin, contact allergen for eczema products	90063-63 -1	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
LONGIFOLENE	Longifolene	475-20-7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	
LONGIFOLENE	Longifolene	475-20-7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	
LONGIFOLENE	Longifolene	475-20-7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	

BRICATING GREASES Lubricating greases 74869-21 -9 The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.   BRICATING OILS Lubricating oils 74869-22 -0 The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract   FFA CYLINDRICA (LUFFA GYPTIACA) SEED OIL LUFFA CYLINDRICA SEED OIL 0 The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.01%.   PINE AMINO ACIDS LUPINE AMINO ACIDS 0 The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.
BRICATING OILS Lubricating oils 74869-22 -0 The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract   FFA CYLINDRICA (LUFFA GYPTIACA) SEED OIL LUFFA CYLINDRICA SEED OIL 0 The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.01%.   PINE AMINO ACIDS LUPINE AMINO ACIDS 0 The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.
FFA CYLINDRICA (LUFFA LUFFA CYLINDRICA SEED 0 The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.01%.   PINE AMINO ACIDS LUPINE AMINO ACIDS 0 The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.
PINE AMINO ACIDS LUPINE AMINO ACIDS 0 The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.   DIALIS AL DUS DEDITION LUPINES AL DUS DEDITION 2 The Computing Lupines and the reported concentrations of use.
PINUS ALBUS PROTEIN LUPINUS ALBUS PROTEIN 0 Ine Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.
SINE LYSINE 56-87-1 The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.
SINE HYDROCHLORIDE LYSINE HYDROCHLORIDE 657-27-2 The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.6%.
SOLECITHIN LYSOLECITHIN 85711-58 The Cosmetic Ingredient Review found this substance -6 was safe as used up to a concentration of 0.2%.
SOLECITHIN LYSOLECITHIN 85711-58 The U.S. Food and Drug Administration prohibits the -6 use of cosmetic ingredients made from bovine specified risk materials. Lysolecithin may not be derived from bovine cerebral cortex.
SOPHOSPHATIDIC ACID LYSOPHOSPHATIDIC ACID 0 The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.
SOPHOSPHATIDYLETHAN AMINE LYSOPHOSPHATIDYLETHA NOLAMINE 0 The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers
SOPHOSPHATIDYLETHAN   LYSOPHOSPHATIDYLETHA   0   The Cosmetic Ingredient Review found this substance     AMINE   NOLAMINE   o   the cosmetic Ingredient Review found this substance
AMINOPHENOL HCL51-81-0The European Commission restricts this ingredient to a maximum concentration of 1.2% applied to hair or eyelashes. Additionally, this ingredient is only permitted for professional use in products intended for coloring eyelashes. Required Warning: The European Commission requires the following on the product label/package of oxidative hair dyes: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoo s may increase your risk of allergy,'; 'Do not colour your hair if: - you have a rash on your face or sensitive, irritated and damaged scalp, - you have ever experienced any reaction after colouring your hair, - you have experienced any reaction after colouring your hair, - you have experienced any reaction to a temporary 'black henna' tattoo in the past'. The European commission requires the following on the product label/package of products intended for coloring eyelashes: The mixing ratio; 'For professional use only'; 'Hair colorants can cause severe allergic reactions.'; Thead and follow instructions.'; This product label/package of products intended for coloring eyelashes: The mixing ratio severe allergic reactions.'; 'Read and follow instructions.'; This product label/package of a reaction for a colouring our risk of allergy.'; Eyelashes shall not be coloured if the consumer: - has a rash on the face or sensitive, irritated and damaged scalp, - has experienced a reaction for a temporary 'black henna' tattoos may increase your risk of allergy.'; Eyelashes shall not be coloured if the consumer: - has a rash on the face or sensitive, irritated and damaged scalp, - has experienced a reaction to a temporary 'black henna' tattoo in the past'; Tinse eyes immediately if p
PHENYLENEDIAMINE   M-PHENYLENEDIAMINE   541-70-8   Per European restrictions, prohibited for use in hair dye products.

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
M-PHENYLENEDIAMINE SULFATE	MPHENYLENEDIAMINE SULFATE	541-70-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% in hair dyes.	
m-tert-BUTYLPHENYL ISOBUTYRALDEHYDE	3(mtertButylphenyl)2methy lpropionaldehyde (mBMHCA)	62518-65 -4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.12% in lip products, 0.15% in deodorants/antiperspirants, 0.62% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.86% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.98% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2.97% in mouthwashes, breath sprays, and toothpastes, 0.31% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
m-tert-BUTYLPHENYL ISOBUTYRALDEHYDE	3(mtertButylphenyl)2methy Ipropionaldehyde (mBMHCA)	62518-65 -4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0086 % Category 2) 0.094 % Category 3) 0.21 % Category 4) 1.8 % Category 5A) 0.45 % Category 5B) 0.28 % Category 5C) 0.42 % Category 5D) 0.094 % Category 6) 0.0086 % Category 7A) 0.37 % Category 7B) 0.37 % Category 8) 0.094 % Category 9) 0.96 % Category 10A) 0.96 % Category 10B) 3.1 % Category 11A) 0.094 % Category 11B) 0.094 % Category 12) 64 %	
m-TOLUALDEHYDE	o,m,pTolualdehydes and their mixtures	620-23-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.17% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.26% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.11% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
m-TOLUALDEHYDE	o,m,pTolualdehydes and their mixtures	620-23-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.085 % Category 2) 0.025 % Category 3) 0.51 % Category 4) 0.47 % Category 5A) 0.12 % Category 5B) 0.12 % Category 5C) 0.12 % Category 5D) 0.12 % Category 6) 0.28 % Category 7A) 0.96 % Category 7B) 0.96 % Category 8) 0.050 % Category 9) 0.92 % Category 10A) 3.3 % Category 10B) 3.3 % Category 11A) 1.8 % Category 11B) 1.8 % Category 12) No Restriction	
MACADAMIA INTEGRIFOLIA (MACADAMIA) NUT OIL	MACADAMIA INTEGRIFOLIA SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
MACADAMIA SEED OIL POLYGLYCERYL-6 ESTERS BEHENATE	MACADAMIA SEED OIL POLYGLYCERYL6 ESTERS BEHENATE	0	The Cosmetic Ingredient Review has determined this ingredient to be safe as used when formulated to be nonirritating up to a concentration of 25%.	
MACADAMIA TERNIFOLIA SEED OIL	MACADAMIA TERNIFOLIA SEED OIL	128497-2 0-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 30%	
MACADAMIA TERNIFOLIA SEED OIL PEG-8 ESTERS	MACADAMIA TERNIFOLIA SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MACADAMIA TERNIFOLIA SEED OIL PEG-8 ESTERS	Macadamia Ternifolia Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MACROCYSTIS INTEGRIFOLIA (GIANT KELP) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
MACROCYSTIS PYRIFERA (KELP)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
MACROCYSTIS PYRIFERA (KELP)	MACROCYSTIS PYRIFERA (KELP)	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MACROCYSTIS PYRIFERA (KELP) PROTEIN	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
MACROCYSTIS PYRIFERA (KELP) PROTEIN	MACROCYSTIS PYRIFERA (KELP) PROTEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MACROCYSTIS PYRIFERA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury: 1ppm, and arsenic: 3 ppm.	
MADAGASCAR EVERLASTING OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MADAGASCAR EVERLASTING OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MAGNESIUM ACETATE	MAGNESIUM ACETATE	142-72-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.03%.	
MAGNESIUM ALGINATE	MAGNESIUM ALGINATE	37251-44 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MAGNESIUM ALUMINUM HYDROXIDE	Aluminum Compounds	39366-43 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
MAGNESIUM ALUMINUM SILICATE	Aluminum Compounds	1327-43-1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
MAGNESIUM ALUMINUM SILICATE	Magnesium Aluminum Silicate	1327-43-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
MAGNESIUM ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	1327-43-1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MAGNESIUM ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	1327-43-1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM ALUMINUM SULFATE	Aluminum Compounds	60778-99 -6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
MAGNESIUM ASCORBYL PHOSPHATE	MAGNESIUM ASCORBYL PHOSPHATE	114040-3 1-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
MAGNESIUM ASPARTATE	MAGNESIUM ASPARTATE	1187-91-3	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.1%.	
MAGNESIUM BENZOATE	Benzoate	553-70-8	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
MAGNESIUM CARBOXYMETHYL BETA-GLUCAN	Insufficient data ingredient	1409932- 89-3	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	X
MAGNESIUM CITRATE	MAGNESIUM CITRATE	144-23-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
MAGNESIUM FLUORIDE	MAGNESIUM FLUORIDE	7783-40- 6	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains magnesium fluoride.'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
MAGNESIUM FLUOROSILICATE	MAGNESIUM FLUOROSILICATE	16949-65 -8	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains magnesium fluorosilicate'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
MAGNESIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	16949-65 -8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	16949-65 -8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MAGNESIUM HYDROXIDE	MAGNESIUM HYDROXIDE	1309-42- 8	(*) The Cosmetic Ingredient Review has determined that users should minimize skin contact for hair straighteners and depilatories that contain this ingredient.	-
MAGNESIUM HYDROXIDE	MAGNESIUM HYDROXIDE	1309-42- 8	The Cosmetic Ingredient Review found this substance was safe as used used up to a concentration of 1.6% when formulated to be non-irritating.	
MAGNESIUM LANOLATE	MAGNESIUM LANOLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
MAGNESIUM LAURATE	MAGNESIUM LAURATE	4040-48- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
MAGNESIUM LAURETH SULFATE	MAGNESIUM LAURETH SULFATE	62755-21 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM LAURETH SULFATE	Magnesium Laureth16 Sulfate	62755-21 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM LAURETH SULFATE	Magnesium Laureth5 Sulfate	62755-21 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM LAURETH SULFATE	Magnesium Laureth8 Sulfate	62755-21 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM LAURETH-11 CARBOXYLATE	Magnesium Laureth11 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM LAURETH-16 SULFATE	Magnesium Laureth16 Sulfate	62755-21 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM LAURETH-2 SULFATE	Magnesium Laureth2 Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM LAURETH-3 SULFOSUCCINATE	MAGNESIUM LAURETH3 SULFOSUCCINATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM LAURETH-5 SULFATE	Magnesium Laureth5 Sulfate	62755-21 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MAGNESIUM LAURETH-8 SULFATE	Magnesium Laureth8 Sulfate	62755-21 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM METHYL COCOYL TAURATE	MAGNESIUM METHYL COCOYL TAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
MAGNESIUM MYRISTATE	MAGNESIUM MYRISTATE	4086-70- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
MAGNESIUM OLETH SULFATE	MAGNESIUM OLETH SULFATE	87569-97 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM OLETH-2 SULFATE	Magnesium Oleth2 Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MAGNESIUM PALMITATE	MAGNESIUM PALMITATE	2601-98- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
MAGNESIUM PALMITOYL GLUTAMATE	Magnesium palmitoyl glutamate	57539-47 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.2%	
MAGNESIUM PCA	MAGNESIUM PCA	5819-47- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%	
MAGNESIUM PCA	Magnesium PCA	5819-47- 6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.1% for leave-on products and 0.18% for rinse-off products.	Х
MAGNESIUM PEG-3 COCAMIDE SULFATE	Magnesium Peg3 Cocamide Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MAGNESIUM PEROXIDE	Magnesium peroxide	1335-26-8	The European Commission restricts this ingredient to a maximum concentration of 12% of H2O2 (40 volumes, present or released) in hair products, 4% of H2O2 (present or released) in skin products, 2% of H2O2 (present or released) in oral products, 0.1% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in tooth whitening or bleaching products. Additionally, the products with this ingredient can only be sold to dental practitioners, and for each cycle of use, the first use must be done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards, the product may be provided to the consumer to complete the cycle of use. The product cannot to be used on a person under 18 years of age. Lastly, for products intended for eyelashes, the concentration cannot exceed 2% of H2O2, present or released, and is permitted for professional use only. Required Warning: The European Commission requires the following on the label/package of hair products: 'Wear suitable gloves'; 'Contains hydrogen peroxide'; 'Avoid contact with them'. For skin and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For tooth whitening or bleaching products: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For conth of H 20 2 present or released indicated in percentage; 'Not to be used on a person under 18 years of age'; 'To be only sold to dental there'; 'Rinse immediately if product comes into contact with them'. For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Aft	
MAGNESIUM PEROXIDE	MAGNESIUM PEROXIDE	1335-26- 8	According to Section 13 of Canada's Cosmetic Regulations the pH of oral products containing this ingredient must be greater than or equal to 4.0. Additionally, if an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit a clinical study to demonstrate the salivary peroxide levels do not exceed 3% during the use of the product as per the directions of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MAGNESIUM PEROXIDE	MAGNESIUMPEROXIDE	1335-26-	Health Canada requires manufacturers of oral products containing peroxides or peroxidegenerating compounds to submit the following information: data on the pH of the cosmetic product, when it is applied to the tooth or teeth, i.e. that the pH is greater than or equal to 4.0; product labelling demonstrating that all cautionary statement requirements have been met. If an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit safety evidence that the product does not cause the saliva or soft tissue of the oral cavity to exceed 3% hydrogen peroxide, and is safe when used as directed. Required Warning: Health Canada requires the following warning text on the package/label of oral products: 'If irritation (such as redness, swelling, soreness) of the gums or the mouth occurs, discontinue use and consult a dentist'; 'Products containing peroxides are not recommended for use by children under 12 years of age'; 'Use for periods of longer than 14 days is to be only under the supervision of a dentist'; 'Avoid swallowing the cosmetic or part thereof'; 'Avoid contact of the product with the eye'; 'Avoid direct contact of the active surface of the tooth whitening product with the gums and/or salivary flow.'	
MAGNESIUM POTASSIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM POTASSIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM SALICYLATE	MAGNESIUM SALICYLATE	18917-89- 0	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
MAGNESIUM SALICYLATE	MAGNESIUM SALICYLATE	18917-89- 0	Per COSING, the maximum concentration in RTU preparation is 0.5%. This ingredient is not to be used in products for children under 3 years of age (except for shampoos), in oral products, or in applications that may lead to exposure of the end-user's lungs by inhalation.	
MAGNESIUM SALICYLATE	Salicylic acid and its salts	18917-89- 0	Europe restricts this chemical: Maximum concentration in ready for use preparation: 0.5%; Not to be used in products for children under 3 years of age, except for shampoos. Required Warning: Required warning: Not to be used for children under 3 years of age***. ***Solely for products which might be used for children under 3 years of age and which remain in prolonged contact with the skin.	
MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	13776-74- 4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	13776-74- 4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MAGNESIUM SILICATE HYDRATE	Silica, amorphous; silicate; borosilicate	1343-90- 4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM SILICATE HYDRATE	Silica, amorphous; silicate; borosilicate	1343-90- 4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM SODIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM SODIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM STEARATE	MAGNESIUM STEARATE	557-04-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
MAGNESIUM SULFATE	MAGNESIUM SULFATE	7487-88- 9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 49%.	
MAGNESIUM SULFIDE	magnesium sulfide	12032-36 -9	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
MAGNESIUM SULFIDE	MAGNESIUMSULFIDE	12032-36 -9	Health Canada restricts this ingredient to a maximum concentration of 6% (sulfur) in depilatory products.	
MAGNESIUM TALLOWATE	MAGNESIUM TALLOWATE	68953-41 -3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
MAGNESIUM THIOGLYCOLATE	MAGNESIUM THIOGLYCOLATE	63592-16 -5	The European Commission restricts this ingredient to a maximum concentration of 8% (as thioglycolic acid) with a pH of 7 to 9.5 in general use hair products, 11% (as thioglycolic acid) with a pH of 7 to 9.5 in professional use hair products, 5% (as thioglycolic acid) with a pH of 7 to 9.5 in hair rinseoff products. Required Warning: The European Commission requires the following conditions of use on the label/package of hair products, depilatories and hair rinseoff products: 'Avoid contact with eyes'; 'In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice'. Additionally, the following conditions of use are requires the following text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following text on the label/package of hair products: 'Wear suitable gloves', 'Follow the instructions'; 'Keep out of reach of children'. Additionally, the following warning text is required on hair products: 'For professionaly use only.'	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MAGNESIUM THIOGLYCOLATE	MAGNESIUM THIOGLYCOLATE	63592-16 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15.2% (as thioglycolic acid) in hair straighteners, permanent waves, tonics, dressings, wave sets, other noncoloring hair products, and hair dyes and colors. Additionally, hairdressers should avoid skin contact and minimize consumer skin exposure	-
MAGNESIUM TRISILICATE	Silica, amorphous; silicate; borosilicate	14987-04 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM TRISILICATE	Silica, amorphous; silicate; borosilicate	14987-04 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MAGNESIUM/ALUMINUM/H YDROXIDE/CARBONATE	Aluminum Compounds	11097-59 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
MAGNESIUM/ALUMINUM/ZI NC/HYDROXIDE/CARBON ATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
MAGNESIUM/TEA-COCO-SU LFATE	Magnesium/TEACocoSulfat e	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
MAGNETITE (FE3O4)	MAGNETITE (FE3O4)	1309-38- 2	Per the U.S. FDA., iron oxides shall conform to the following specifications, all on an "as is" basis: Arsenic (as As), not more than 3 parts per million. Lead (as Pb), not more than 10 parts per million. Mercury (as Hg), not more than 3 parts per million.	
MAGNETITE (FE3O4)	MAGNETITE (FE3O4)	1309-38- 2	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E172)	
MALEIC ACID	maleic acid	110-16-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.004% as a pH adjuster.	
MALEIC ANHYDRIDE	maleic anhydride	108-31-6	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
MALEIC ANHYDRIDE	maleic anhydride	108-31-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MALIC ACID	MALICACID	6915-15-7	Health Canada restricts this ingredient to a maximum concentration of 10% and a minimum pH of 3.5 of final formulation. Additionally, preparations containing concentrations of AHAs between 10% and 30% or a pH between 3.0 to 3.5 may be permitted for professional use if the manufacturer provides Health Canada with evidence of their safety including pH levels, AHA concentrations, directions for use, and clinical studies demonstrating minimal skin irritation. Preparations intended to be diluted in bath water may contain levels of citric acid exceeding 10%. Required Warning: Health Canada requires the following on the product label/package in all skin products containing AHAs at concentrations equal to or greater than 3%: 'Use only as directed'; 'Avoid contact with the eyes'; 'If irritation persists, discontinue use and consult a physician'; 'It is recommended that prior to exposure to the sun, users cover areas where AHAs have been applied with sunscreen'; 'Contact of the product with the skin must be of limited frequency or duration.'	
MALTITOL	MALTITOL	585-88-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
MALTODEXTRIN	MALTODEXTRIN	9050-36- 6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 4%.	
MALTOSE	MALTOSE	69-79-4	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.5%.	
MALUS DOMESTICA FRUIT EXTRACT	MALUS DOMESTICA FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.8%	
MANGANESE CITRATE	MANGANESE CITRATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MANGANESE TRIPEPTIDE-1	MANGANESE TRIPEPTIDE-1	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MANGANESE VIOLET	Manganese Violet	10101-66 -3	The U.S. Food and Drug Administration restricts the lead, arsenic, and mercury content of this ingredient to maximum concentrations of 20 ppm, 3 ppm, and 1 ppm, respectively.	
MANGANESE VIOLET	MANGANESE VIOLET	10101-66 -3	Per the U.S. FDA., manganese violet shall conform to the following specifications and shall be free from impurities other than those named, to the extent that such other impurities may be avoided by good manufacturing practice: Ash (at 600 °C), not less than 81 percent. Volatile matter at 135 °C for 3 hours, not more than 1 percent. Water soluble substances, not more than 6 percent. pH of filtrate of 10 grams color additive (shaken occasionally for 2 hours with 100 milliliters of freshly boiled distilled water), not more than 4.7 and not less than 2.5. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 1 part per million. Total color, based on Mn content in "as is" sample, not less than 93 percent.	
(MANGIFERA INDICA (MANGO) SEED BUTTER	(MANGO) SEED BUTTER	-8	this ingredient is safe as used up to a concentration of 5%.	
MANGIFERA INDICA (MANGO) SEED OIL	MANGIFERA INDICA (MANGO) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
MANGO SEED OIL PEG-70 ESTERS	MANGO SEED OIL PEG-70 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
MANGO SEED OIL PEG-70 ESTERS	Mango Seed Oil Peg70 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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MANICOUAGAN CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
MANNAN	MANNAN	9036-88- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MANNITOL	MANNITOL	87-78-5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 60.5%.	
MANNOSE	MANNOSE	3458-28- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MANUKA HONEY	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
MANUKA HONEY	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
MANUKA HONEY	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	
MARINE ALGAE INFUSION	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
MARJORAM EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MARJORAM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MARJORAM OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MARJORAM OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Marjoram oil, Spanish (Thymus mastichina)	Geraniol, contact allergen for eczema products	8016-33- 9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Marjoram oil, Spanish (Thymus mastichina)	Linalool, contact allergen for eczema products	8016-33- 9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MARJORAM, WILD	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
MARJORAM, WILD	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Mazzaella splendens (Splendid iridescent seaweed)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
MEA O-PHENYLPHENATE	MEA OPHENYLPHENATE	84145-04 -0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEA PPG-6 LAURETH-7 CARBOXYLATE	MEA PPG-6 LAURETH-7 CARBOXYLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
MEA PPG-6 LAURETH-7 CARBOXYLATE	MEA PPG6 LAURETH7 CARBOXYLATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MEA PPG-6 LAURETH-7 CARBOXYLATE	MEA PPG6 LAURETH7 CARBOXYLATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEA-BIOTINATE	MEABIOTINATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEA-DICETEARYL PHOSPHATE	MEADICETEARYL PHOSPHATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEA-HYDROLYZED COLLAGEN	MEA-HYDROLYZED COLLAGEN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MEA-HYDROLYZED COLLAGEN	MEAHYDROLYZED COLLAGEN	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEA-HYDROLYZED SILK	MEAHYDROLYZED SILK	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

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MEA-LAURETH SULFATE	MEALAURETH SULFATE	68184-04 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MEA-LAURETH SULFATE	MEALAURETH SULFATE	68184-04 -3	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEA-LAURETH-6 CARBOXYLATE	MEALAURETH6 CARBOXYLATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MEA-LAURETH-6 CARBOXYLATE	MEALAURETH6 CARBOXYLATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEA-SALICYLATE	MEA-SALICYLATE	59866-70 -5	Per COSING, the maximum concentration in RTU preparation is 0.5%. This ingredient is not to be used in products for children under 3 years of age (except for shampoos), in oral products, or in applications that may lead to exposure of the end-user's lungs by inhalation.	
MEA-SALICYLATE	MEASALICYLATE	59866-70 -5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEA-SALICYLATE	Salicylic acid and its salts	59866-70 -5	Europe restricts this chemical: Maximum concentration in ready for use preparation: 0.5%; Not to be used in products for children under 3 years of age, except for shampoos. Required Warning: Required warning: Not to be used for children under 3 years of age***. ***Solely for products which might be used for children under 3 years of age and which remain in prolonged contact with the skin.	
MEA-THIOLACTATE	MEATHIOLACTATE	54266-38 -5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MEADOWFOAMAMIDOPROP YL BETAINE	MEADOWFOAMAMIDOPRO PYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MELALEUCA ALTERNIFOLIA (TEA TREE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA ALTERNIFOLIA (TEA TREE)	MELALEUCA ALTERNIFOLIA (TEA TREE)	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MELALEUCA ALTERNIFOLIA (TEA TREE)	MELALEUCA ALTERNIFOLIA (TEA TREE)	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MELALEUCA ALTERNIFOLIA (TEA TREE) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
MELALEUCA ALTERNIFOLIA (TEA TREE) EXTRACT	MELALEUCA ALTERNIFOLIA (TEA TREE) EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MELALEUCA ALTERNIFOLIA (TEA TREE) EXTRACT	MELALEUCA ALTERNIFOLIA (TEA TREE) EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MELALEUCA ALTERNIFOLIA (TEA TREE) EXTRACT	MELALEUCA ALTERNIFOLIA (TEA TREE) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.01% when formulated to be non-sensitizing.	
MELALEUCA ALTERNIFOLIA (TEA TREE) FLOWER/LEAF/STEM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA ALTERNIFOLIA (TEA TREE) FLOWER/LEAF/STEM EXTRACT	MELALEUCA ALTERNIFOLIA (TEA TREE) FLOWER/LEAF/STEM EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MELALEUCA ALTERNIFOLIA (TEA TREE) FLOWER/LEAF/STEM EXTRACT	MELALEUCA ALTERNIFOLIA (TEA TREE) FLOWER/LEAF/STEM EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MELALEUCA ALTERNIFOLIA (TEA TREE) FLOWER/LEAF/STEM EXTRACT	MELALEUCA ALTERNIFOLIA (TEA TREE) FLOWER/LEAF/STEM EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF	Linalool, contact allergen for eczema products	85085-48 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF	85085-48 -9	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF	85085-48 -9	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 7B) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF	MELALEUCA ALTERNIFOLIA LEAF WATER	85085-48 -9	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF	MELALEUCA ALTERNIFOLIA LEAF WATER	85085-48 -9	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF EXTRACT	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

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MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF EXTRACT	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	Limonene, contact allergen for eczema products	68647-73 -4	This ingredient contains Limonene, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	68647-73 -4	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	68647-73 -4	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	68647-73 -4	Based on an SCCP (European Commission, Scientific Committee on Consumer Products) opinion, this substance must contain less than 8% pcymene to indicate lack of oxidative degradation.	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF POWDER	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF WATER	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF WATER	85085-48 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF WATER	MELALEUCA ALTERNIFOLIA LEAF WATER	85085-48 -9	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF WATER	MELALEUCA ALTERNIFOLIA LEAF WATER	85085-48 -9	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MELALEUCA ALTERNIFOLIA FLOWER/LEAF/STEM OIL	Limonene, contact allergen for eczema products	85085-48 -9	This ingredient contains Limonene, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA ALTERNIFOLIA FLOWER/LEAF/STEM OIL	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	85085-48 -9	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MELALEUCA ALTERNIFOLIA FLOWER/LEAF/STEM OIL	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	85085-48 -9	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MELALEUCA ALTERNIFOLIA FLOWER/LEAF/STEM OIL	MELALEUCA ALTERNIFOLIA (TEA TREE) LEAF OIL	85085-48 -9	Based on an SCCP (European Commission, Scientific Committee on Consumer Products) opinion, this substance must contain less than 8% pcymene to indicate lack of oxidative degradation.	
MELALEUCA BRACTEATA LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
MELALEUCA ERICIFOLIA LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA QUINQUENERVIA OIL	Linalool, contact allergen for eczema products	132940-7 3-9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA QUINQUENERVIA VIRIDIFLORA (NIAOULI) LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA SYMPHYOCARP EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA UNCINATA EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA VIRIDIFLORA (NIAOULI) LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MELALEUCA VIRIDIFLORA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	X
MELIBIOSE	MELIBIOSE	585-99-9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MELISSA OFFICINALIS (BALM MINT) EXTRACT	Melissa oil (genuine Melissa officinalis L.)	84082-61 -1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.05% in deodorants/antiperspirants, 0.21% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.63% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.33% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.01% in mouthwashes, breath sprays, and toothpastes, 0.11% in intimate wipes, and baby wipes, 1.4% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
MELISSA OFFICINALIS (BALM MINT) EXTRACT	Melissa oil (genuine Melissa officinalis L.)	84082-61 -1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11% Category 2) 0.032% Category 3) 0.65% Category 4) 0.60% Category 5A) 0.15% Category 5B) 0.15% Category 5C) 0.15% Category 5D) 0.15% Category 6) 0.35% Category 7A) 1.2% Category 7B) 1.2% Category 8) 0.063% Category 9) 1.2% Category 10A) 4.2% Category 10B) 4.2% Category 11A) 2.3% Category 11B) 2.3% Category 12) No Restriction	
MENTHA (MINT)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA (MINT) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA (MINT) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA (MINT) HYDROSOL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA (MINT) LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA AQUATICA (WATER MINT) LEAF EXTRACT	Linalool, contact allergen for eczema products	90063-96 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA AQUATICA WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA ARVENSIS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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MENTHA ARVENSIS (WILD MINT) OIL	Linalool, contact allergen for eczema products	68917-18- 0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA ARVENSIS EXTRACT	Linalool, contact allergen for eczema products	90063-97 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA ARVENSIS POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA AUSTRALIS	PEPPERMINT (MENTHA PIPERITA) LEAVES	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA CARDIACA HERB EXTRACT	Linalool, contact allergen for eczema products	91770-24 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA CARDIACA HERB OIL	Linalool, contact allergen for eczema products	91770-24 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA CITRATA HERB EXTRACT	Linalool, contact allergen for eczema products	85085-49 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA CITRATA HERB OIL	Linalool, contact allergen for eczema products	85085-49 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA CITRATA OIL	Linalool, contact allergen for eczema products	68917-15- 7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA HAPLOCALIX EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
MENTHA PIPERITA (PEPPERMINT)	Carvone, contact allergen for eczema products	0	This ingredient contains Carvone, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
MENTHA PIPERITA (PEPPERMINT)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PIPERITA (PEPPERMINT)	MENTHA PIPERITA (PEPPERMINT) LEAF	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT)	MENTHA PIPERITA (PEPPERMINT) LEAF EXTRACT	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT)	MENTHA PIPERITA (PEPPERMINT) LEAF WATER	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	

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MENTHA PIPERITA (PEPPERMINT)	MENTHA PIPERITA (PEPPERMINT) OIL	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT)	PEPPERMINT (MENTHA PIPERITA) EXTRACT	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT)	PEPPERMINT (MENTHA PIPERITA) LEAVES	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT)	PEPPERMINT (MENTHA PIPERITA) OIL	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT)	PEPPERMINT (MENTHA PIPERITA) WATER	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product	
MENTHA PIPERITA (PEPPERMINT) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PIPERITA (PEPPERMINT) EXTRACT	MENTHA PIPERITA (PEPPERMINT) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at a maximum concentration of 7.9% when formulated to be non-sensitizing.	
MENTHA PIPERITA (PEPPERMINT) EXTRACT	MENTHA PIPERITA (PEPPERMINT) LEAF EXTRACT	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT) EXTRACT	PEPPERMINT (MENTHA PIPERITA) EXTRACT	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PIPERITA (PEPPERMINT) LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
MENTHA PIPERITA (PEPPERMINT) LEAF	MENTHA PIPERITA (PEPPERMINT) LEAF	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT) LEAF	PEPPERMINT (MENTHA PIPERITA) LEAVES	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT) LEAF JUICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PIPERITA (PEPPERMINT) LEAF JUICE	MENTHA PIPERITA (PEPPERMINT) LEAF JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
MENTHA PIPERITA (PEPPERMINT) LEAF WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PIPERITA (PEPPERMINT) LEAF WATER	MENTHA PIPERITA (PEPPERMINT) LEAF WATER	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT) LEAF WATER	PEPPERMINT (MENTHA PIPERITA) WATER	0	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product	
MENTHA PIPERITA (PEPPERMINT) OIL	Linalool, contact allergen for eczema products	8006-90- 4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products reauiring dispersal in water.	X
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EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MENTHA PIPERITA (PEPPERMINT) OIL	MENTHA PIPERITA (PEPPERMINT) OIL	8006-90- 4	The Cosmetic Ingredient Review Expert Panel concluded that this ingredient is safe as used at concentrations < 5%, when formulated to be non-sensitizing	
MENTHA PIPERITA (PEPPERMINT) OIL	Mentha piperita oil	8006-90- 4	The presence of the Mentha piperita oil shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
MENTHA PIPERITA (PEPPERMINT) OIL	PEPPERMINT (MENTHA PIPERITA) OIL	8006-90- 4	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
MENTHA PIPERITA (PEPPERMINT) OIL EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PIPERITA AMERICAN EXTRACT/HYDROGEN SULFIDE	Linalool, contact allergen for eczema products	94334-25 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PULEGIUM (PENNYROYAL)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PULEGIUM EXTRACT	Linalool, contact allergen for eczema products	90064-00 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA PULEGIUM OIL	Linalool, contact allergen for eczema products	8007-44- 1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA ROTUNDIFOLIA LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA SPICATA (SPEARMINT)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA SPICATA (SPEARMINT) EXTRACT	Linalool, contact allergen for eczema products	90064-01 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA SPICATA (SPEARMINT) LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA SPICATA (SPEARMINT) OIL	Carvone, contact allergen for eczema products	91770-68 -2	This ingredient contains Carvone, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHA SPICATA (SPEARMINT) OIL	Linalool, contact allergen for eczema products	91770-68 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MENTHA SPICATA (SPEARMINT) OIL	Mentha spicata oil (spearmint oil)	91770-68 -2	The presence of the Mentha spicata oil (spearmint oil) shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
MENTHA SUAVEOLENS LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MENTHOL	MENTHA PIPERITA (PEPPERMINT) OIL	89-78-1	The Cosmetic Ingredient Review restricts the pulegone content to a maximum concentration of 1% in the finished product.	
METHACRYLOYL ETHYL BETAINE/ ACRYLATES COPOLYMER	METHACRYLOYL ETHYL BETAINE/ ACRYLATES COPOLYMER	87435-35 -6	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
METHANOL	methanol	67-56-1	The European Commission restricts this ingredient to a maximum concentration of 5% (as a percentage of ethanol and isopropyl alcohol).	
METHANOL	Methyl alcohol	67-56-1	The Cosmetic Ingredient Review restricts the use of this ingredient as a denaturant.	
METHANOL	METHYLALCOHOL	67-56-1	Required Warning: Health Canada requires that the product is packaged in a childresistant container if it contains at least 5 mL of methyl alcohool. Additionally, manufacturers must follow appropriate labeling guidelines according to the Canadian Consumer Chemicals and Containers Regulations.	
METHICONE	METHICONE	9004-73- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
METHICONE	Silica, amorphous; silicate; borosilicate	9004-73- 3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
METHICONE	Silica, amorphous; silicate; borosilicate	9004-73- 3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
METHIONINE	METHIONINE	59-51-8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
METHOXY AMODIMETHICONE/ SILSEQUIOXANE COPOLYMER	METHOXY AMODIMETHICONE/ SILSEQUIOXANE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
METHOXY AMODIMETHICONE/SILSES QUIOXANE COPOLYMER	METHOXY AMODIMETHICONE/SILSE SQUIOXANE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
METHOXY PEG-10	METHOXY PEG10	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHOXY PEG-100	METHOXY PEG100	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-100/POLYEPSILON CAPROLACTONE	METHOXY PEG100/POLYEPSILON CAPROLACTONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-100/POLYEPSILON CAPROLACTONE	METHOXY PEG100/POLYEPSILON CAPROLACTONE	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
METHOXY PEG-114/POLYEPSILON CAPROLACTONE	METHOXY PEG114/POLYEPSILON CAPROLACTONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-114/POLYEPSILON CAPROLACTONE	METHOXY PEG114/POLYEPSILON CAPROLACTONE	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
METHOXY PEG-12 RETINAMIDE	Methoxy Peg12 Retinamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-16	METHOXY PEG16	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-17/DODECYL GLYCOL COPOLYMER	Methoxy Peg17/dodecyl Glycol Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-17/METHOXY PEG-11/HDI CROSSPOLYMER	METHOXY PEG-17/METHOXY PEG-11/HDI CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
METHOXY PEG-22 POLYDODECYL GLYCOL	Methoxy Peg22 Polydodecyl Glycol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-22/ DODECYL GLYCOL COPOLYMER	Methoxy Peg22/ Dodecyl Glycol Copolymer	89678-44 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-25	METHOXY PEG25	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-40	METHOXY PEG40	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHOXY PEG-450 AMIDO HYDROXYSUCCINIMIDYL SUCCINAMATE	Methoxy Peg450 Amido Hydroxysuccinimidyl Succinamate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-450 ETHYLMALEIMIDE	Methoxy Peg450 Ethylmaleimide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-7	METHOXY PEG7	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-7 ACORBIC ACID	Methoxy Peg7 Acorbic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG-7 ASCORBIC ACID	Methoxy Peg7 Ascorbic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY PEG/ PPG-7/ 3 AMINOPROPYL DIMETHICONE	METHOXY PEG/ PPG-7/ 3 AMINOPROPYL DIMETHICONE	298211-6 8-4	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
METHOXY PEG/ PPG-7/ 3 AMINOPROPYL DIMETHICONE	Methoxy Peg/ Ppg7/ 3 Aminopropyl Dimethicone	298211-6 8-4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXY-PEG-7 RUTINYL SUCCINATE	MethoxyPeg7 Rutinyl Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHOXYCINNAMOYLPROP YL SILSESQUIOXANE SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
METHOXYCINNAMOYLPROP YL SILSESQUIOXANE SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHYL 2-OCTYNOATE	METHYL 2OCTYNOATE	111-12-6	The European Commission restricts this ingredient to a maximum concentration of 0.01% when used alone in nonoral products. When the substance is present in combination with methyl octine carbonate, the combined level in the finished product cannot exceed 0.01% (of which methyl octine carbonate cannot be more than 0.002%). Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
METHYL 2-OCTYNOATE	Methyl heptine carbonate	111-12-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.01% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.01% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.01% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.08% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.01% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
METHYL 2-OCTYNOATE	Methyl heptine carbonate	111-12-6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0085 % Category 2) 0.0025 % Category 3) 0.051 % Category 4) 0.047 % Category 5A) 0.012 % Category 5B) 0.012 % Category 5C) 0.012 % Category 5D) 0.012 % Category 6) 0.028 % Category 7A) 0.096 % Category 7B) 0.096 % Category 8) 0.0050 % Category 9) 0.092 % Category 10A) 0.33 % Category 10B) 0.33 % Category 11A) 0.18 % Category 11B) 0.18 % Category 12) No Restriction	
METHYL 2,6,10-TRIMETHYLCYCLODO DECA-2,5,9-TRIENYL KETONE	Acetic acid, anhydride, reaction products with 1,5,10trimethyl1,5,9cyclodo decatriene	28371-99- 5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00016 % Category 2) 0.13 % Category 3) 0.40 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.52 % Category 5C) 0.60 % Category 5D) 0.17 % Category 6) 0.00016 % Category 7A) 0.87 % Category 7B) 0.87 % Category 8) 0.17 % Category 9) 2.2 % %Category 10A) 2.2 % Category 10B) 4.4 % Category 11A) 0.17 % Category 11B) 0.17 % Category 12) No Restriction	
METHYL 2,6,10-TRIMETHYLCYCLODO DECA-2,5,9-TRIENYL KETONE	Acetic, anhydride, reaction products with 1,5,10trimethyl1,5,9cyclodo decatriene	28371-99- 5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.16% in lip products, 0.2% in deodorants/antiperspirants, 0.83% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.49% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.31% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 3.99% in mouthwashes, breath sprays, and toothpastes, 0.42% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
METHYL 4-T-BUTYLBENZOATE	Benzoate	26537-19- 9	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHYL 4-T-BUTYLBENZOATE	Lilial-like ingredients	26537-19- 9	These substances share the same toxic metabolite as lilial and have been proposed for harmonised classification and labelling (CLH) as reprotox 1B substances, therefore they are restricted to 0.01% in the final product.	
METHYL BENZOATE	Benzoate	93-58-3	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
METHYL BENZOATE	METHYL BENZOATE	93-58-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
METHYL COCOATE	METHYL COCOATE	61788-59 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.06%.	
METHYL CYCLODEXTRIN	METHYL CYCLODEXTRIN	128446-3 6-6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
METHYL DICOCAMINE	METHYL DICOCAMINE	61788-62 -3	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
METHYL FORMYLAMINOBENZOATE	METHYL NFORMYLANTHRANILATE	41270-80 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.10 % Category 2) 0.10 % Category 3) 0.10 % Category 4) 0.10 % Category 5A) 0.10 % Category 5B) 0.10 % Category 5C) 0.10 % Category 5D) 0.10 % Category 6) 0.10 % Category 7A) No Restriction Category 7B) 0.10 % Category 8) 0.10 % Category 9) No Restriction Category 10A) No Restriction Category 10B) 0.10 % Category 11A) No Restriction Category 11B) 0.10 % Category 12) No Restriction; this material has been identified for having thepotential of forming nitrosamines in nitrosatingsystems. Downstream users therefore have to be notified of the presence of the material and its potential, to be able to consider adequate protective measures.	
METHYL GLUCETH-10	Methyl Gluceth10	68239-42 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHYL GLUCETH-10	Methyl Gluceth20	68239-42 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 15%.	
METHYL GLUCETH-20	Methyl Gluceth10	68239-42 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHYL GLUCETH-20 BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
METHYL GLYCYRRHIZATE	METHYL GLYCYRRHIZATE	104191-9 5-9	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: pesticides/PCBs, toxic metals, and heavy metals.	
METHYL METHACRYLATE CROSSPOLYMER	METHYL METHACRYLATE CROSSPOLYMER	25777-71- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 14%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHYL METHACRYLATE CROSSPOLYMER	METHYL METHACRYLATE CROSSPOLYMER	25777-71- 3	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
METHYL METHACRYLATE/GLYCOL DIMETHACRYLATE CROSSPOLYMER	METHYL METHACRYLATE/GLYCOL DIMETHACRYLATE CROSSPOLYMER	25777-71- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
METHYL METHACRYLATE/GLYCOL DIMETHACRYLATE CROSSPOLYMER	METHYL METHACRYLATE/GLYCOL DIMETHACRYLATE CROSSPOLYMER	25777-71- 3	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
METHYL N-METHYLANTHRANILATE	METHYL NMETHYLANTHRANILATE	85-91-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in leaveon products	
METHYL N-METHYLANTHRANILATE	METHYL NMETHYLANTHRANILATE	85-91-6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.10% Category 2) 0.10% Category 3) 0.10% Category 4) 0.10% Category 5A) 0.10% Category 5B) 0.10% Category 5C) 0.10% Category 5D) 0.10% Category 6) 0.10% Category 7A) no restriction Category 7B) 0.10% Category 8) 0.10% Category 9) no restriction Category 10A) no restriction Category 10B) 0.10% Category 11A) no restriction Category 11B) 0.10% Category 12) no restriction	
METHYL N-METHYLANTHRANILATE	METHYLNMETHYLANTHRA NILATE	85-91-6	Health Canada restricts this ingredient to a maximum concentration of 0.1%	
METHYL NAPHTHYL KETONE	Methyl $\beta$ naphthyl ketone	1333-52- 4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in leaveon products	
METHYL NAPHTHYL KETONE	Methyl βnaphthyl ketone	1333-52- 4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.20% Category 2) 0.20% Category 3) 0.20% Category 4) 0.20% Category 5A) 0.20% Category 5B) 0.20% Category 5C) 0.20% Category 5D) 0.20% Category 6) 0.20% Category 7A) no restriction Category 7B) 0.20% Category 8) 0.20% Category 9) no restriction Category 10A) no restriction Category 10B) 0.20% Category 11A) no restriction Category 11B) 0.20% Category 12) no restriction	
METHYL OCTINE CARBONATE	METHYL OCTINE CARBONATE	111-80-8	The European Commission restricts this ingredient to a maximum concentration of 0.002% when used alone in nonoral products. When present in combination with methyl heptine carbonate, the combined level in the finished product should not exceed 0.01% (of which methyl octine carbonate should not be more than 0.002%).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHYL OCTINE CARBONATE	METHYL OCTINE CARBONATE	111-80-8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.02% in mouthwashes, breath sprays, and toothpastes, 0% in intimate wipes, and baby wipes, 0% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, etc.).	
METHYL OCTINE CARBONATE	METHYL OCTINE CARBONATE	111-80-8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0018 % Category 2) 0.00055 % Category 3) 0.011 % Category 4) 0.010 % Category 5A) 0.0026 % Category 5B) 0.0026 % Category 5C) 0.0026 % Category 5D) 0.0026 % Category 6) 0.0061 % Category 7A) 0.021 % Category 7B) 0.021 % Category 8) 0.0011 % Category 9) 0.020 % Category 10A) 0.072 % Category 10B) 0.072 % Category 11A) 0.040 % Category 11B) 0.040 % Category 12) No Restriction	
METHYL SALICYLATE	Methyl 2-hydroxybenzoate	119-36-8	The European Comission restricts this ingredient to a maximum concentration varying by product type. For: (a) Leave-on skin products (except face makeup, spray/aerosol body lotion, spray/aerosol deodorant and hydroalcoholic-based fragrances) and leave on hair products (except spray/aerosol products) - 0.06%, (b) Face makeup (except lip products, eye makeup and makeup remover) - 0.05%, (c) Eye makeup and makeup remover) - 0.05%, (c) Eye makeup and makeup remover) - 0.009%, (e) Deodorant spray/aerosol - 0.003%, (f) Body lotion spray/aerosol - 0.04%, (g) Rinse-off skin products (except hand wash) and rinse-off hair products - 0.06% (h) Hand wash - 0.6%, (i) Hydroalcoholic-based fragrances - 0.6% (j) Lip products - 0.03%, (k) Toothpaste - 2.52%, (l) Mouthwash intended for children aged 6-10 years - 0.1%, (m) Mouthwash intended for children above 10 years of age and adults - 0.6%, (n) Mouth spray - 0.65%.	
METHYL SALICYLATE	METHYLSALICYLATE	119-36-8	Health Canada restricts this ingredient to a maximum concentration of 1%.	
METHYL TRIMETHICONE	METHYL TRIMETHICONE	17928-28 -8	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
METHYLBENZETHONIUM CHLORIDE METHYLBENZETHONIUM CHLORIDE	Methylbenzethonium chloride	25155-18 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5% in skin products and 0.02% in eye products.	
METHYLCELLULOSE	Methylcellulose	9004-67- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 20%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHYLCINNAMIC ALDEHYDE	αMethyl cinnamic aldehyde	101-39-3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in lip products, 0.1% in deodorants/antiperspirants, 0.5% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.6% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.8% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 2.5% in mouthwashes, breath sprays, and toothpastes, 0.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
METHYLCINNAMIC ALDEHYDE	αMethyl cinnamic aldehyde	101-39-3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.27 % Category 2) 0.080 % Category 3) 1.6 % Category 4) 1.5 % Category 5A) 0.38 % Category 5B) 0.38 % Category 5C) 0.38 % Category 5D) 0.38 % Category 6) 0.88 % Category 7A) 3.1 % Category 7B) 3.1 % Category 8) 0.16 % Category 9) 2.9 % Category 10A) 11 % Category 10B) 11 % Category 11A) 5.8 % Category 11B) 5.8 % Category 12) No Restriction	
METHYLCYCLOPENTADECEN ONE	Contact allergens for eczema products	82356-51 -2	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	x
METHYLENEDIOXYPHENYL METHYLPROPANAL	αMethyl1,3benzodioxole5pr opionaldehyde (MMDHCA)	1205-17- 0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.34% in lip products, 0.43% in deodorants/antiperspirants, 1.78% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 5.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 2.8% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 8.6% in mouthwashes, breath sprays, and toothpastes, 0.89% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
METHYLENEDIOXYPHENYL METHYLPROPANAL	αMethyl1,3benzodioxole5pr opionaldehyde (MMDHCA)	1205-17- 0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.12% Category 2) 0.25% Category 3) 0.039% Category 4) 2.6% Category 5A) 0.39% Category 5B) 0.077% Category 5C) 0.077% Category 5D) 0.026% Category 6) 0.62% Category 7A) 0.077% Category 7B) 0.077% Category 8) 0.026% Category 9) 0.15% Category 10A) 0.15% Category 10B) 0.62% Category 11A) 0.026% Category 11B) 0.026% Category 12) 12%	
METHYLEUGENYL DIMETHICONE COPOLYOL	METHYLEUGENYL DIMETHICONE COPOLYOL	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
METHYLEUGENYL PEG-8 DIMETHICONE	METHYLEUGENYL PEG-8 DIMETHICONE	200443-9 3-2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHYLEUGENYL PEG-8 DIMETHICONE	Methyleugenyl Peg8 Dimethicone	200443-9 3-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHYLHEPTADIENONE	6METHYL3,5HEPTADIEN2O NE	1604-28- 0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0085 % Category 2) 0.0025 % Category 3) 0.051 % Category 4) 0.047 % Category 5A) 0.012 % Category 5B) 0.012 % Category 5C) 0.012 % Category 5D) 0.012 % Category 6) 0.028 % Category 7A) 0.096 % Category 7B) 0.096 % Category 8) 0.0050 % Category 9) 0.092 % Category 10A) 0.33 % Category 10B) 0.33 % Category 11A) 0.18 % Category 11B) 0.18 % Category 12) No Restriction	
METHYLHEPTADIENONE	6Methyl3,5heptadien2one (methyl heptadienone)	1604-28- 0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.1% in mouthwashes, breath sprays, and toothpastes, 0% in intimate wipes, and baby wipes, 0% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
METHYLHEPTADIENONE	METHYLHEPTADIENONE	1604-28- 0	The European Commission restricts this ingredient to a maximum concentration of 0.002% in nonoral products.	
METHYLIONONE	Methyl ionone, mixed isomers	1335-46-2	The International Fragrance Association restricts this ingredient to a maximum concentration of 2% in lip products, 2.59% in deodorants/antiperspirants, 10.56% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 31.67% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 16.67% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 50.72% in mouthwashes, breath sprays, and toothpastes, 5.3% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
METHYLIONONE	Methyl ionone, mixed isomers	1335-46- 2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 5.4% Category 2) 1.6% Category 3) 32% Category 4) 30% Category 5A) 7.6% Category 5B) 7.6% Category 5C) 7.6% Category 5D) 7.6% Category 6) 18% Category 7A) 61% Category 7B) 61% Category 8) 3.2% Category 9) 59% Category 10A) 100% Category 10B) 100% Category 11A) 100% Category 11B) 100% Category 12) No Restriction; A level of up to 2% of Pseudo methyl ionones as an impurity in Methyl ionones is accepted.	
METHYLPARABEN	Methylparaben	99-76-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4% when used alone and 0.8% when used with a paraben mixture.	
METHYLPARABEN	METHYLPARABEN	99-76-3	Per COSING, the maximum concentration in RTU preparation is 0.4% (as acid) for single ester and 0.8% (as acid) for mixtures of esters.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
METHYLPARABEN	METHYLPARABEN	99-76-3	Per COSING, the maximum concentration in RTU preparation is 0.4% (as acid) for single ester and 0.8% (as acid) for mixtures of esters.	
METHYLPARABEN	METHYLPARABEN	99-76-3	Per COSING, the maximum concentration in RTU preparation is 0.4% (as acid) for single ester and 0.8% (as acid) for mixtures of esters.	
METHYLPROPANEDIOL	METHYLPROPANEDIOL	2163-42- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 21.2%.	
METHYLSILANOL PEG-7 GLYCERYL COCOATE	Methylsilanol Peg7 Glyceryl Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHYLSILANOL TRI-PEG-8 GLYCERYL COCOATE	Methylsilanol TriPeg8 Glyceryl Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
METHYLSILANOL/SILICATE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	68584-81 -6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
METHYLSILANOL/SILICATE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	68584-81 -6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
METHYLSTYRENE/ VINYLTOLUENE COPOLYMER	METHYLSTYRENE/ VINYLTOLUENE COPOLYMER	9017-27- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MEXORYL SX	MEXORYL SX	90457-82 -2	Canada limits this ingredient to a maximum concentration of 10% in all cosmetic products. Note, this ingredient is not a currently approved active by the FDA for use in U.S sunscreens.	
MEXORYL SX	TEREPHTHALYLIDENEDICA MPHORSULFONICACID	90457-82 -2	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in rinseoff products (not applied to mucosa).	
MEXORYL SX	TEREPHTHALYLIDENEDICA MPHORSULFONICACID	90457-82 -2	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
MEXORYL SX	TEREPHTHALYLIDENEDICA MPHORSULFONICACID	90457-82 -2	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in leaveon products (not applied to mucosa).	
MICA	CLAYS AND MINERALS	12001-26 -2	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
MICA	MICA	12001-26 -2	Per the U.S. FDA., mica shall conform to the following specifications and shall be free from impurities other than those named to the extent that such other impurities may be avoided by good manufacturing practice: Fineness, 100 percent shall pass through a 100-mesh sieve. Loss on ignition at 600-650 °C, not more than 2 percent. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 1 part per million.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MICA	Silica, amorphous; silicate; borosilicate	12001-26 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MICA	Silica, amorphous; silicate; borosilicate	12001-26 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
MICELLIZED VITAMIN A	Retinoids	0	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
MICELLIZED VITAMIN A	Retinol	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
MICELLIZED VITAMIN A	retinyl palmitate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
Michelia alba extract	Michelia alba extract	92457-18 -6	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
Michelia alba extract	Michelia alba extract	92457-18 -6	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MICHELIA ALBA FLOWER OIL	MICHELIA ALBA FLOWER OIL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MICHELIA ALBA FLOWER OIL	MICHELIA ALBA FLOWER OIL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MICHELIA ALBA LEAF OIL	MICHELIA ALBA LEAF OIL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MICHELIA ALBA LEAF OIL	MICHELIA ALBA LEAF OIL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 5) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MICROCITRUS AUSTRALIS FRUIT EXTRACT	Microcitrus Australis Fruit Extract	0	(*) The Cosmetic Ingredient Review restricts the 5methoxypsoralen concentration of this ingredient to a maximum concentration of 0.0015% in the final product for leaveon products.	
MICROCRYSTALLINE WAX (CERA MICROCRISTALLINA)	MICROCRYSTALLINE WAX	63231-60 -7	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 3% and PAH levels must be below 10 ppb. Mineral waxes must have an average molecular weight of at least 500 Daltons and a viscosity value greater than or equal to 11 centistokes at 100oC or greater than or equal to 8 centistokes at 120oC. Additionally, no more than 5% of hydrocarbons with a chain length less than C25 may be present.	
MIDORI205	Aluminum Compounds	5141-20- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
MILK AMINO ACIDS	MILK AMINO ACIDS	92797-39 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MILK PROTEIN EXTRACT	MILK PROTEIN EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MILKAMIDOPROPYL BETAINE	MILKAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
MINERAL OIL	MINERAL OIL	8012-95- 1	This ingredient can bioaccumulate in human tissues and is prohibited in lip and oral products. It is restricted in other product categories based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment. The ingredient must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 0.2% and less than 250 ppm MOAH after refining. High viscosity mineral oils must have a carbon chain length of at least C28 atoms (at 5% boiling point), a molecular mass of at least 500 Daltons and a viscosity value of 11 centistokes. Lowmedium viscosity mineral oils must have a carbon chain length of at least C25 atoms (at 5% boiling point), a molecular mass of 480500 Daltons and a viscosity value of 8.511 centistokes.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MINERAL OIL	MINERAL OIL	8012-95-1	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material with DMSO extractives below 3% and PAH levels must be below 10 ppb. High viscosity mineral oils must have an average molecular mass of at least 500 Daltons, a viscosity value greater than 11 centistokes and no more than 5% of hydrocarbons with a chain length less than C28 may be present. Lowmedium viscosity mineral oils must have an average molecular mass of 480500 Daltons, a viscosity value of 8.511 centistokes, and no more than 5% of hydrocarbons with a carbon chain length less than C25 atoms may be present	
MINERAL OIL, PETROLEUM DISTILLATES CATALYTIC DEWAXED HEAVY NAPHTENIC (MILD OR NOSOLVENT-	MINERAL OIL, PETROLEUM DISTILLATES CATALYTIC DEWAXED HEAVY NAPHTENIC (MILD OR NOSOLVENT	64742-68 -3	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES CATALYTIC DEWAXED HEAVY PARAFFINIC (MILD OR NOSOLVENT-	MINERAL OIL, PETROLEUM DISTILLATES CATALYTIC DEWAXED HEAVY PARAFFINIC (MILD OR NOSOLVENT	64742-70 -7	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES CATALYTIC DEWAXED LIGHT NAPHTHENIC (MILD OR NOSOLVENT-	MINERAL OIL, PETROLEUM DISTILLATES CATALYTIC DEWAXED LIGHT NAPHTHENIC (MILD OR NOSOLVENT	64742-69 -4	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES CATALYTIC DEWAXED LIGHT PARAFFINIC (MILD OR NOSOLVENT-	MINERAL OIL, PETROLEUM DISTILLATES CATALYTIC DEWAXED LIGHT PARAFFINIC (MILD OR NOSOLVENT	64742-71 -8	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY NAPHTHENIC	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY NAPHTHENIC	64742-52 -5	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC	64742-54 -7	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) LIGHT NAPHTHENIC	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) LIGHT NAPHTHENIC	64742-53 -6	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) LIGHT PARAFFINIC	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) LIGHT PARAFFINIC	64742-55 -8	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY NAPHTHENIC (MILD OR NOSOLVENT-	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENTDEWAXED HEAVY NAPHTHENIC (MILD OR NOSOLVENT	64742-63 -8	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC (MILD OR NOSOLVENT-	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENTDEWAXED HEAVY PARAFFINIC (MILD OR NOSOLVENT	64742-65 -0	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED LIGHT NAPHTHENIC (MILD OR NOSOLVENT-	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENTDEWAXED LIGHT NAPHTHENIC (MILD OR NOSOLVENT	64742-64 -9	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED LIGHT PARAFFINIC (MILD OR NOSOLVENT-	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENTDEWAXED LIGHT PARAFFINIC (MILD OR NOSOLVENT	64742-56 -9	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
MINERAL PIGMENTS	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
MINERAL SALTS	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
MINK OIL PEG-13 ESTERS	MINK OIL PEG-13 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
MINK OIL PEG-13 ESTERS	Mink Oil Peg13 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MINKAMIDE DEA	MINKAMIDE DEA	124046-2 7-1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MINKAMIDE DEA	MINKAMIDE DEA	124046-2 7-1	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
MINKAMIDOPROPYL DIMETHYLAMINE	MINKAMIDOPROPYL DIMETHYLAMINE	68953-11- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
MIPA C12-15 PARETH SULFATE	MIPA C1215 PARETH SULFATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MIPA-DODECYLBENZENESU LFONATE	MIPADODECYLBENZENES ULFONATE	42504-46 -1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MIPA-LAURETH SULFATE	MIPALAURETH SULFATE	83016-76 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MIPA-LAURETH SULFATE	MIPALAURETH SULFATE	83016-76 -6	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

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MIPA-LAURYL SULFATE MIPA-LAURYL SULFATE	MIPALAURYL SULFATE MIPALAURYL SULFATE	21142-28 -9	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MIPA-MYRISTATE	MIPA-MYRISTATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
MIPA-MYRISTATE	MIPAMYRISTATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MIXED CITRUS OILS	Citrus oils and other furocoumarins containing essential oils	0	Based on the IFRA 49th Amendment, the Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient is restricted in the finished product according to product use and category (as outlined in the 49th amendment): Category 1 - 0.0015% (5MOP); Category 2 - 0.0015% (5MOP); Category 3 - 0.0015% (5MOP); Category 4 - 0.0015% (5MOP); Category 5a - 0.0015% (5MOP); Category 5b - 0.0015% (5MOP); Category 5c - 0.0015% (5MOP); Category 5d - 0.0015% (5MOP); Category 6 - 0.0015% (5MOP); Category 7a - no restriction; Category 7b - 0.0015% (5MOP); Category 8 - 0.0015% (5MOP); Category 9 - no restriction; Category 10a - no restriction; Category 10b - 0.0015% (5MOP); Category 11a - no restriction; Category 11b - 0.0015% (5MOP); Category 12 - no restriction	
MIXED CITRUS OILS	Citrus oils and other furocoumarins containing essential oils (Bergapten)	0	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
MIXED LINEAR AND BRANCHED C14-15 ALCOHOLS ETHOXYLATED, REACTION PRODUCT WITH EPICHLOROHYDRIN	mixed linear and branched C1415 alcohols ethoxylated, reaction product with epichlorohydrin	158570-9 9-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Modified Polyethoxylated Alcohol	Modified Polyethoxylated Alcohol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MONOSACCHARIDE COMPLEX	ALOE BARBADENSIS LEAF POLYSACCHARIDES	0	The Cosmetic Ingredient Review restricts the anthraquinone content of this ingredient to less than 50 ppm. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, arsenic, heavy metals, and lead	
MONOSODIUM GLUTAMATE	MONOSODIUM GLUTAMATE	142-47-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
MONTAN CERA	MONTAN WAX	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 11%.	
MONTAN WAX	MONTAN WAX	8002-53- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 11%.	
MONTMORILLONITE	CLAYS AND MINERALS	1318-93-0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	

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MORINGA OLEIFERA SEED OIL	MORINGA PTERYGOSPERMA SEED OIL	93165-54 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
MOROCCAN LAVA CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
MYRCIA OIL	PIMENTA ACRIS (BAY) LEAF OIL	8006-78- 8	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MYRCIA OIL	PIMENTA ACRIS (BAY) LEAF OIL	8006-78- 8	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRCIA OIL	PIMENTA ACRIS (BAY) LEAF OIL	8006-78- 8	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
MYRETH-10	MYRETH10	27306-79 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MYRETH-3	MYRETH3	26826-30 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MYRISTAMIDE DEA	MYRISTAMIDE DEA	7545-23- 5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MYRISTAMIDE DEA	MYRISTAMIDE DEA	7545-23- 5	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
MYRISTAMIDE DEA	MYRISTAMIDE DEA MYRISTAMIDE DEA	7545-23- 5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MYRISTAMIDE DEA MYRISTAMIDE DEA	MYRISTAMIDE DEA	7545-23- 5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MYRISTAMIDE DEA MYRISTAMIDE DEA	MYRISTAMIDE DEA MYRISTAMIDE DEA	7545-23- 5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
MYRISTAMIDE MIPA	MYRISTAMIDE MIPA	10525-14 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
MYRISTAMIDOPROPYL BETAINE	MYRISTAMIDOPROPYL BETAINE	59272-84 -3	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
MYRISTAMIDOPROPYL DIMETHYLAMINE	Myristamidopropyl dimethylamine	45267-19 -4	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
MYRISTAMIDOPROPYL HYDROXYSULTAINE	MYRISTAMIDOPROPYL HYDROXYSULTAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MYRISTICA FRAGRANS (NUTMEG) KERNEL OIL	MYRISTICA FRAGRANS (NUTMEG) KERNEL OIL	8007-12- 3	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MYRISTICA FRAGRANS (NUTMEG) KERNEL OIL	MYRISTICA FRAGRANS (NUTMEG) KERNEL OIL	8007-12- 3	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRISTICA FRAGRANS (NUTMEG) KERNEL OIL	MYRISTICA FRAGRANS (NUTMEG) KERNEL OIL	8007-12- 3	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
MYRISTICA FRAGRANS (NUTMEG) SEED HULL	MYRISTICA FRAGRANS (NUTMEG) SEED HULL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MYRISTICA FRAGRANS (NUTMEG) SEED HULL	MYRISTICA FRAGRANS (NUTMEG) SEED HULL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRISTICA FRAGRANS (NUTMEG) SEED HULL	MYRISTICA FRAGRANS (NUTMEG) SEED HULL	0	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
MYRISTICA FRAGRANS KERNEL EXTRACT	MYRISTICA FRAGRANS KERNEL EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MYRISTICA FRAGRANS KERNEL EXTRACT	MYRISTICA FRAGRANS KERNEL EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRISTICA FRAGRANS KERNEL EXTRACT	MYRISTICA FRAGRANS KERNEL EXTRACT	0	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
MYRISTOYL HEXAPEPTIDE-12	MYRISTOYL HEXAPEPTIDE-12	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
MYRISTOYL SARCOSINE	MYRISTOYL SARCOSINE	52558-73 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR restricts this ingredient to products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
MYRISTYL ALCOHOL	MYRISTYL ALCOHOL	112-72-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
MYRISTYL BETAINE	MYRISTYL BETAINE	2601-33- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.84%.	
MYRISTYL BETAINE	MYRISTYL BETAINE	2601-33- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
MYRISTYL LACTATE	MYRISTYL LACTATE	1323-03-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
MYRISTYL MYRISTATE	MYRISTYL MYRISTATE	3234-85- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 17%.	
MYRISTYL SALICYLATE	MYRISTYL SALICYLATE	19666-17- 2	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
MYRISTYL STEARATE	MYRISTYL STEARATE	17661-50 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	

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MYRISTYLAMIDOPROPYL DIMETHYLAMINE DIMETHICONE PEG-7 PHOSPHATE	Myristylamidopropyl Dimethylamine Dimethicone Peg7 Phosphate	137145-3 6-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
MYROXYLON PEREIRAE (BALSAM PERU)	Contact allergens for eczema products	0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	х
MYROXYLON PEREIRAE (BALSAM PERU) EXTRACT	Contact allergens for eczema products	0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	х
MYROXYLON PEREIRAE (BALSAM PERU) OIL	Contact allergens for eczema products	8007-00- 9	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
MYROXYLON PEREIRAE (BALSAM PERU) OIL	Myroxylon balsamum var. pereirae; extracts and distillates; Balsam Peru oil, absolute and anhydrol (Balsam Oil Peru)	8007-00-9	European Commission restricts this ingredient at a max concentration of 0.4%. The presence of this substance shall be indicated in the list of ingredients, when its concentration exceeds 0.001% in leave-on products or 0.01% in rinse-off products	
MYROXYLON PEREIRAE (BALSAM PERU) OIL	MYROXYLON PEREIRAE (BALSAM PERU) OIL	8007-00- 9	The European Commission restricts this ingredient to a maximum concentration of 0.40%.	
MYROXYLON PEREIRAE (BALSAM PERU) RESIN	Contact allergens for eczema products	8007-00- 9	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
MYROXYLON PEREIRAE (BALSAM PERU) RESIN	Peru balsam	8007-00- 9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.073% Category 2) 0.022% Category 3) 0.44% Category 4) 0.41% Category 5A) 0.10% Category 5B) 0.10% Category 5C) 0.10% Category 5D) 0.034% Category 6) 0.24% Category 7A) 0.83% Category 7B) 0.83% Category 8) 0.034% Category 9) 0.80% Category 10A) 0.80% Category 10B) 2.9% Category 11A) 0.034% Category 11B) 0.034% Category 12) No Restriction	
MYROXYLON PEREIRAE (BALSAM PERU) RESIN	Peru balsam extracts and distillates	8007-00- 9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.4% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.2% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.7% in mouthwashes, breath sprays, and toothpastes, 0.07% in intimate wipes, and baby wipes, 0.4% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
MYRTUS COMMUNIS	Geraniol, contact allergen for eczema products	84082-67 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MYRTUS COMMUNIS	MYRTUS COMMUNIS	84082-67 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MYRTUS COMMUNIS	MYRTUS COMMUNIS	84082-67 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRTUS COMMUNIS	MYRTUS COMMUNIS	84082-67 -7	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
MYRTUS COMMUNIS (COMMON MYRTLE) LEAF HYDROSOL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MYRTUS COMMUNIS (COMMON MYRTLE) LEAF HYDROSOL	MYRTUS COMMUNIS (COMMON MYRTLE) LEAF HYDROSOL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MYRTUS COMMUNIS (COMMON MYRTLE) LEAF HYDROSOL	MYRTUS COMMUNIS (COMMON MYRTLE) LEAF HYDROSOL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRTUS COMMUNIS (COMMON MYRTLE) LEAF HYDROSOL	MYRTUS COMMUNIS (COMMON MYRTLE) LEAF HYDROSOL	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
MYRTUS COMMUNIS (GREEN MYRTLE) LEAF OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MYRTUS COMMUNIS (GREEN MYRTLE) LEAF OIL	MYRTUS COMMUNIS (GREEN MYRTLE) LEAF OIL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MYRTUS COMMUNIS (GREEN MYRTLE) LEAF OIL	MYRTUS COMMUNIS (GREEN MYRTLE) LEAF OIL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRTUS COMMUNIS (GREEN MYRTLE) LEAF OIL	MYRTUS COMMUNIS (GREEN MYRTLE) LEAF OIL	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
MYRTUS COMMUNIS (MYRTLE) INFUSION	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MYRTUS COMMUNIS (MYRTLE) INFUSION	MYRTUS COMMUNIS (MYRTLE) INFUSION	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MYRTUS COMMUNIS (MYRTLE) INFUSION	MYRTUS COMMUNIS (MYRTLE) INFUSION	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRTUS COMMUNIS (MYRTLE) INFUSION	MYRTUS COMMUNIS (MYRTLE) INFUSION	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
MYRTUS COMMUNIS (MYRTLE) OIL	Geraniol, contact allergen for eczema products	8008-46- 6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MYRTUS COMMUNIS (MYRTLE) OIL	MYRTUS COMMUNIS (MYRTLE) OIL	8008-46- 6	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MYRTUS COMMUNIS (MYRTLE) OIL	MYRTUS COMMUNIS (MYRTLE) OIL	8008-46- 6	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRTUS COMMUNIS (MYRTLE) OIL	MYRTUS COMMUNIS (MYRTLE) OIL	8008-46-	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
MYRTUS COMMUNIS LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MYRTUS COMMUNIS LEAF EXTRACT	MYRTUS COMMUNIS LEAF EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
MYRTUS COMMUNIS LEAF EXTRACT	MYRTUS COMMUNIS LEAF EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRTUS COMMUNIS LEAF EXTRACT	MYRTUS COMMUNIS LEAF EXTRACT	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
MYRTUS COMMUNIS LEAF WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
MYRTUS COMMUNIS LEAF WATER	MYRTUS COMMUNIS LEAF WATER	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
MYRTUS COMMUNIS LEAF WATER	MYRTUS COMMUNIS LEAF WATER	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
MYRTUS COMMUNIS LEAF WATER	MYRTUS COMMUNIS LEAF WATER	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
N-(3-HEXADECYLOXY-2-HYD ROXYPROP-1-YL)-N-(2-HYDR OXYETHYL)PALMITAMIDE	CETYL PG HYDROXYETHYL PALMITAMIDE	110483-0 7-3	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
N-(3-HEXADECYLOXY-2-HYD ROXYPROP-1-YL)-N-(2-HYDR OXYETHYL)PALMITAMIDE	N(3hexadecyloxy2hydroxyp rop1yl)N(2hydroxyethyl)pal mitamide	110483-0 7-3	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
N-LAURYL DIETHANOLAMINE	NLAURYL DIETHANOLAMINE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
n-octyl-polyoxyethylene	nOctylpolyoxyethylene	27252-75 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
N-PHENYL-P-PHENYLENEDI AMINE HCL	N-PHENYL-P-PHENYLENED IAMINE HCL	2198-59- 6	Per European restrictions, prohibited for use in hair dye products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
N-PHENYL-P-PHENYLENEDI AMINE HCL	NPHENYLPPHENYLENEDIA MINE HCL	2198-59- 6	The European Commission restricts this ingredient to a maximum concentration of 3% (calculated as free base) applied to hair after mixing under oxidative conditions. Required Warning: The European Commission requires the following on the product label/package on general use hair dye: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'; 'Contains phenylenediamines.'; 'Do not use to dye eyelashes or eyebrows". For professionaly use hair dye, the European Commission requires the following on the product label/package: The mixing ratio; 'For professionaly use only'; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced any reaction after colouring your hair, — you have experienced any reaction after colouring your hair, — you have experienced any reaction after colouring your hair, — you have experienced any reaction after colouring your hair, — you have experienced any reaction after colouring your hair, — you have experienced any reaction to a temporary 'black henna' tattoo in the past.'; 'Contains phenylenediamines.'; 'Wear suitable gloves.'	
N-PHENYL-P-PHENYLENEDI AMINE HCL	NPHENYLPPHENYLENEDIA MINE HCL	2198-59- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of	
N-PHENYL-P-PHENYLENEDI AMINE SULFATE N-PHENYL-P-PHENYLENEDI AMINE SULFATE	NPHENYLPPHENYLENEDIA MINE SULFATE	4698-29-7	The European Commission restricts this ingredient to a maximum concentration of 3% (calculated as free base) applied to hair after mixing under oxidative conditions. Required Warning: The European Commission requires the following on the product label/package on general use hair dye: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'; 'Contains phenylenediamines.'; 'Do not use to dye eyelashes or eyebrows". For professionaly use hair dye, the European Commission requires the following on the product label/package: The mixing ratio; 'For professionaly use only'; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have experienced any reaction after colouring your hair, — you have experienced any reaction after colouring your hair 'tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced any reaction after colouring your hair, — you have experienced any reaction for a temporary 'black henna' tattoo in the past.'; 'Contains phenylenediamines.'; 'Wear suitable gloves.'	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
N-PHENYL-P-PHENYLENEDI AMINE SULFATE N-PHENYL-P-PHENYLENEDI AMINE SULFATE	NPHENYLPPHENYLENEDIA MINE SULFATE NPHENYLPPHENYLENEDIA MINE SULFATE	4698-29- 7	The European Commission restricts this ingredient to a maximum concentration of 3% (calculated as free base) applied to hair after mixing under oxidative conditions. Required Warning: The European Commission requires the following on the product label/package on general use hair dye: The mixing ratio; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'; 'Contains phenylenediamines.'; 'Do not use to dye eyelashes or eyebrows". For professionaly use hair dye, the European Commission requires the following on the product label/package: The mixing ratio; 'For professionaly use only'; 'Hair colorants can cause severe allergic reactions.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have experienced areaction to a temporary 'black henna' tattoo in the past.'; 'Contains phenylenediamines.'; 'No not use to dye eyelashes or eyebrows". For professionaly use only'; 'Hair colorants can cause severe allergic reactions.'; 'Read and follow instructions.'; 'This product is not intended for use on persons under the age of 16.'; 'Temporary 'black henna' tattoos may increase your risk of allergy.'; 'Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary 'black henna' tattoo in the past.'; 'Contains phenylenediamines.'; 'Wear suitable gloves.'	
N-PROLYL PALMITOYL TRIPEPTIDE-56 ACETATE	nprolyl palmitoyl tripeptide56 acetate	1899049- 18-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.002%	
nameALUMINUM ZIRCONIUM	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
nameALUMINUM ZIRCONIUM	ALUMINUMZIRCONIUM	0	Health Canada restricts this ingredient to a maximum concentration of 20% (calculated as the anhydrous form). Additionally, it cannot be used in aerosol dispensers and be combined with aluminum chloride, aluminum chlorohydrate or its associated complexes or other aluminum zirconium complexes. Required Warning: Health Canada requires the following warning text on the label/package of deodorant and antiperspirant cosmetics: 'Discontinue use if rash or irritation occurs'; 'Do not use on broken skin'.	
NAPHTHENIC ACIDS, ALUMINUM SALT	Aluminum Compounds	61789-64 -8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
NARCISSUS JONQUILLA	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
NARCISSUS JONQUILLA EXTRACT	Coumarin, contact allergen for eczema products	90064-25 -8	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
NARCISSUS OIL	Coumarin, contact allergen for eczema products	8023-75- 4	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
NARCISSUS POETICUS EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
NARCISSUS POETICUS FLOWER EXTRACT	Coumarin, contact allergen for eczema products	90064-26 -9	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
NARCISSUS POETICUS FLOWER EXTRACT	Narcissus poeticus/ pseudonarcissus/ jonquilla/tazetta extract	90064-26 -9	The presence of the substance or substances shall be indicated in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
NARCISSUS POETICUS FLOWER WAX	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
NARCISSUS PSEUDO-NARCISSUS	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
NARCISSUS PSEUDO-NARCISSUS (DAFFODIL) FLOWER EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
NARCISSUS PSEUDO-NARCISSUS ROOT EXTRACT	Coumarin, contact allergen for eczema products	90064-27 -0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
NARCISSUS TAZETTA (CREAM NARCISSUS) BULB EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
NARCISSUS WAX	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
NEOCHROMIUM	Chromium Compounds	64093-79 -4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
NEOPENTYL GLYCOL DICAPRATE	NEOPENTYL GLYCOL DICAPRATE	27841-06 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
NEOPENTYL GLYCOL DICAPRYLATE/ DICAPRATE	NEOPENTYL GLYCOL DICAPRYLATE/ DICAPRATE	70693-32 -2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 22.7%.	
NEOPENTYL GLYCOL DICAPRYLATE/DIPELARGON ATE/DICAPRATE	NEOPENTYL GLYCOL DICAPRYLATE/DIPELARGO NATE/DICAPRATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
NEOPENTYL GLYCOL DIETHYLHEXANOATE	NEOPENTYL GLYCOL DIETHYLHEXANOATE	28510-23 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
NEOPENTYL GLYCOL DIHEPTANOATE	NEOPENTYL GLYCOL DIHEPTANOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
NEOPENTYL GLYCOL DIISOSTEARATE	NEOPENTYL GLYCOL DIISOSTEARATE	109884-5 4-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
NEOPENTYL GLYCOL DILAURATE	NEOPENTYL GLYCOL DILAURATE	10525-39 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
NERAL	citral	106-26-3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.04% in lip products, 0.05% in deodorants/antiperspirants, 0.2% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.6% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.3% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 1.4% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
NERAL	citral	106-26-3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.11 % Category 2) 0.032 % Category 3) 0.10 % Category 4) 0.60 % Category 5A) 0.15 % Category 5B) 0.15 % Category 5C) 0.15 % Category 5D) 0.051 % Category 6) 0.35 % Category 7A) 0.20 % Category 7B) 0.20 % Category 8) 0.051 % Category 9) 1.2 % Category 10A) 1.2 % Category 10B) 4.2 % Category 11A) 0.051 % Category 11B) 0.051 % Category 12) No Restriction	
NEREOCYCSTIS LEUTKEANA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
NIACIN	NIACIN	59-67-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
NIACINAMIDE	NIACINAMIDE	98-92-0	Based on a clinical study, niacinamide may be used up to 5% in a cosmetics product.	
NICOMETHANOL HYDROFLUORIDE	NICOMETHANOL HYDROFLUORIDE	62756-44 -9	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains nicomethanol hydrofluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
NITROCELLULOSE	NITROCELLULOSE	9004-70- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
NITROGEN CHLORIDE	Trichloramine	10025-85 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
NITROUS ACID, ISOPROPYL ESTER	NITROUS ACID, ISOPROPYL ESTER	541-42-4	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
non-woven fabric	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
non-woven pad	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
NONANOIC ACID, 1,2,3-PROPANETRIYL ESTER	NONANOIC ACID, 1,2,3-PROPANETRIYL ESTER	126-53-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
NONOXYNOL	NONOXYNOL	26027-38 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL	Poly (oxy1,2Ethanediyl), Alpha(4Nonylphenyl)Omeg aHydroxy	26027-38 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-1	NONOXYNOL1	27986-36 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-10	NONOXYNOL10	37205-87 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-10 CARBOXYLIC ACID	Nonoxynol10 Carboxylic Acid	28212-44 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-10 PHOSPHATE	Nonoxynol10 Phosphate	51609-41 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-11	NONOXYNOL-11	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-11	Nonoxynol11	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-120	NONOXYNOL-120	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-120	Nonoxynol120	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-13	NONOXYNOL-13	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-13	Nonoxynol13	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
NONOXYNOL-14	NONOXYNOL14	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-15	NONOXYNOL15	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-18	NONOXYNOL-18	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-18	Nonoxynol18	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-2	NONOXYNOL2	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-20	NONOXYNOL-20	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-20	Nonoxynol20	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-23	NONOXYNOL-23	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-23	Nonoxynol23	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-25	NONOXYNOL-25	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-25	Nonoxynol25	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-3	NONOXYNOL3	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-3 PHOSPHATE	Nonoxynol3 Phosphate	51811-79- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
NONOXYNOL-30	NONOXYNOL30	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-35	NONOXYNOL-35	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-35	Nonoxynol35	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-4	NONOXYNOL4	7311-27-5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-4 PHOSPHATE	Nonoxynol4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-40	NONOXYNOL40	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-44	NONOXYNOL-44	9016-45- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
NONOXYNOL-44	Nonoxynol44	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-5	NONOXYNOL5	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-5 CARBOXYLIC ACID	Nonoxynol5 Carboxylic Acid	28212-44 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-50	NONOXYNOL50	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-6	NONOXYNOL6	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
NONOXYNOL-6 PHOSPHATE	Nonoxynol6 Phosphate	29994-44 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-7	NONOXYNOL7	9016-45- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-8 CARBOXYLIC ACID	Nonoxynol8 Carboxylic Acid	28212-44 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-9	NONOXYNOL9	26571-11- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONOXYNOL-9 PHOSPHATE	Nonoxynol9 Phosphate	51609-41 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL ACETATE	NONYL ACETATE	143-13-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.0004%.	
NONYL NONOXYNOL 7	Nonyl Nonoxynol 7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-10	Nonyl Nonoxynol10	9014-93- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-10 PHOSPHATE	Nonyl Nonoxynol10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-100	Nonyl Nonoxynol100	9014-93- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-11 PHOSPHATE	Nonyl Nonoxynol11 Phosphate	39464-64 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-15 PHOSPHATE	Nonyl Nonoxynol15 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
NONYL NONOXYNOL-150	Nonyl Nonoxynol150	9014-93- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-24 PHOSPHATE	Nonyl Nonoxynol24 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-30	Nonyl Nonoxynol30	9014-93- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-49	Nonyl Nonoxynol49	9014-93- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-5	Nonyl Nonoxynol5	9014-93- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-7 PHOSPHATE	Nonyl Nonoxynol7 Phosphate	66172-78- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-8 PHOSPHATE	Nonyl Nonoxynol8 Phosphate	39464-64 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NONYL NONOXYNOL-9 PHOSPHATE	Nonyl Nonoxynol9 Phosphate	66172-82 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
NOOTKATONE	NOOTKATONE	4674-50- 4	The International Fragrance Association requires that the raw ingredient be at least 98% pure with a melting point of at least 32°C.	
NUTMEG EXTRACT	NUTMEG EXTRACT	84082-68 -8	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
NUTMEG EXTRACT	NUTMEG EXTRACT	84082-68 -8	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
NYLON	Wipe substrates	63428-83 -1	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
NYLON 6/12	NYLON 6/12	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
NYLON FIBERS	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
NYLON-12	Wipe substrates	24937-16 -4	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
NYLON-12/6/66 COPOLYMER	NYLON-12/6/66 COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
NYLON-6	Wipe substrates	25038-54 -4	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	Х
NYLON-611/ DIMETHICONE COPOLYMER	NYLON-611/ DIMETHICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
O-AMINOPHENOL SULFATE	O-AMINOPHENOL SULFATE	67845-79 -8	Per European restrictions, prohibited for use in hair dye products.	
O-CYMEN-5-OL	4Isopropylmcresol	3228-02- 2	(*) The European Commission restricts this ingredient to a maximum concentration of 0.10%	
O-CYMEN-5-OL	Isopropylmethylphenol	3228-02- 2	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.1% in products meant to be applied to the mucosa.	
O-CYMEN-5-OL	Isopropylmethylphenol	3228-02- 2	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.1% in leaveon products (not applied to mucosa).	
O-CYMEN-5-OL	OCYMEN5OL	3228-02- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
o-METHOXYCINNAMALDEHY DE	OMETHOXYCINNAMALDEH YDE	1504-74-	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.15% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.45% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.24% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.72% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.01% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
o-METHOXYCINNAMALDEHY DE	OMETHOXYCINNAMALDEH YDE	1504-74- 1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077 % Category 2) 0.023 % Category 3) 0.46 % Category 4) 0.43 % Category 5A) 0.11 % Category 5B) 0.11 % Category 5C) 0.11 % Category 5D) 0.11 % Category 6) 0.25 % Category 7A) 0.88 % Category 7B) 0.88 % Category 8) 0.045 % Category 9) 0.84 % Category 10A) 3.0 % Category 10B) 3.0 % Category 11A) 1.7 % Category 11B) 1.7 % Category 12) No Restriction	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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o-TOLUALDEHYDE	o,m,pTolualdehydes and their mixtures	529-20-4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.17% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.26% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.11% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
o-TOLUALDEHYDE	o,m,pTolualdehydes and their mixtures	529-20-4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.085 % Category 2) 0.025 % Category 3) 0.51 % Category 4) 0.47 % Category 5A) 0.12 % Category 5B) 0.12 % Category 5C) 0.12 % Category 5D) 0.12 % Category 6) 0.28 % Category 7A) 0.96 % Category 7B) 0.96 % Category 8) 0.050 % Category 9) 0.92 % Category 10A) 3.3 % Category 10B) 3.3 % Category 11A) 1.8 % Category 11B) 1.8 % Category 12) No Restriction	
OAKMOSS CONCRETE	Contact allergens for eczema products	68917-10 -2	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	Х
OAKMOSS CONCRETE	Oak moss extracts	68917-10 -2	According to the International Fragrance Association, this ingredient must not contain added tree moss. Additionally, dehydroabietic acid (DHA) must not exceed 0.1% in the extract, and the levels of atranol and chloroatranol should each be below 100ppm.	
OAKMOSS CONCRETE	Oakmoss Extracts	68917-10 -2	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.03% in deodorants/antiperspirants, 0.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.5% in mouthwashes, breath sprays, and toothpastes, 0.1% in intimate wipes, and baby wipes, 0.1% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
OAKMOSS CONCRETE	Oakmoss Extracts	68917-10 -2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.020% Category 2) 0.016% Category 3) 0.10% Category 4) 0.10% Category 5A) 0.076% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.076% Category 6) 0.18% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.032% Category 9) 0.10% Category 10A) 0.10% Category 10B) 0.10% Category 11A) 0.10% Category 11B) 0.10% Category 12) No Restriction	
OAT AMINO ACIDS	OAT AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OATAMIDOPROPYL BETAINE	oatamidopropyl betaine	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
OATAMIDOPROPYL DIMETHYLAMINE	Oatamidopropyl dimethylamine	0	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
OATMEAL HONEY	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
OATMEAL HONEY	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
OATMEAL HONEY	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	
OCIMUM (BASIL)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM (BASIL)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM (BASIL)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM (BASIL) LEAF	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM (BASIL) LEAF	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM (BASIL) LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM BASILICUM (SWEET BASIL)	OCIMUM BASILICUM	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OCIMUM BASILICUM (SWEET BASIL)	OCIMUM BASILICUM	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
OCIMUM BASILICUM (SWEET BASIL)	OCIMUM BASILICUM	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
OCIMUM BASILICUM (SWEET BASIL) EXTRACT	OCIMUM BASILICUM (SWEET BASIL) EXTRACT	84775-71 -3	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
OCIMUM BASILICUM (SWEET BASIL) EXTRACT	OCIMUM BASILICUM (SWEET BASIL) EXTRACT	84775-71 -3	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
OCIMUM BASILICUM (SWEET BASIL) EXTRACT	OCIMUM BASILICUM (SWEET BASIL) EXTRACT	84775-71 -3	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
OCIMUM BASILICUM (SWEET BASIL) HYDROSOL	OCIMUM BASILICUM (SWEET BASIL) HYDROSOL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
OCIMUM BASILICUM (SWEET BASIL) HYDROSOL	OCIMUM BASILICUM (SWEET BASIL) HYDROSOL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OCIMUM BASILICUM (SWEET BASIL) HYDROSOL	OCIMUM BASILICUM (SWEET BASIL) HYDROSOL	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
OCIMUM BASILICUM (SWEET BASIL) OIL	Eugenol, contact allergen for eczema products	8015-73- 4	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
OCIMUM BASILICUM (SWEET BASIL) OIL	Linalool, contact allergen for eczema products	8015-73- 4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM BASILICUM (SWEET BASIL) OIL	OCIMUM BASILICUM (SWEET BASIL) OIL	8015-73- 4	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
OCIMUM BASILICUM (SWEET BASIL) OIL	OCIMUM BASILICUM (SWEET BASIL) OIL	8015-73- 4	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
OCIMUM BASILICUM (SWEET BASIL) OIL	OCIMUM BASILICUM (SWEET BASIL) OIL	8015-73- 4	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
OCIMUM BASILICUM LEAF	OCIMUM BASILICUM LEAF	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
OCIMUM BASILICUM LEAF	OCIMUM BASILICUM LEAF	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OCIMUM BASILICUM LEAF	OCIMUM BASILICUM LEAF	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
OCIMUM CANUM HERB EXTRACT	Eugenol, contact allergen for eczema products	90082-13 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM CANUM HERB EXTRACT	Geraniol, contact allergen for eczema products	90082-13 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM CANUM HERB EXTRACT	Linalool, contact allergen for eczema products	90082-13 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
OCIMUM CANUM HERB OIL	Eugenol, contact allergen for eczema products	90082-13 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM CANUM HERB OIL	Geraniol, contact allergen for eczema products	90082-13 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM CANUM HERB OIL	Linalool, contact allergen for eczema products	90082-13 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
OCIMUM GRATISSIMUM (CLOVE BASIL) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM GRATISSIMUM (CLOVE BASIL) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM GRATISSIMUM (CLOVE BASIL) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM GRATISSIMUM HERB EXTRACT	Eugenol, contact allergen for eczema products	91770-38 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM GRATISSIMUM HERB EXTRACT	Geraniol, contact allergen for eczema products	91770-38 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OCIMUM GRATISSIMUM HERB EXTRACT	Linalool, contact allergen for eczema products	91770-38 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM GRATISSIMUM HERB OIL	Eugenol, contact allergen for eczema products	91770-38 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM GRATISSIMUM HERB OIL	Geraniol, contact allergen for eczema products	91770-38 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM GRATISSIMUM HERB OIL	Linalool, contact allergen for eczema products	91770-38 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM KILIMANDSCHARICUM GUERKE, EXTRACT EXCLUDING ROOTS	Eugenol, contact allergen for eczema products	91845-32 -8	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM KILIMANDSCHARICUM GUERKE, EXTRACT EXCLUDING ROOTS	Geraniol, contact allergen for eczema products	91845-32 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM KILIMANDSCHARICUM GUERKE, EXTRACT EXCLUDING ROOTS	Linalool, contact allergen for eczema products	91845-32 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
OCIMUM SANCTUM (HOLY BASIL) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM (HOLY BASIL) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM (HOLY BASIL) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM (OCIMUM TENUIFLORUM)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM (OCIMUM TENUIFLORUM)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM (OCIMUM TENUIFLORUM)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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	the verified List	-		upaate
OCIMUM SANCTUM LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM LEAF POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM LEAF POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM SANCTUM LEAF POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM TENUIFLORUM EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
OCIMUM TENUIFLORUM EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM TENUIFLORUM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM TENUIFLORUM OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM TENUIFLORUM OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCIMUM TENUIFLORUM OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OCOTEA CYMBARUM OIL	OCOTEA CYMBARUM OIL	68917-09 -9	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OCTADECENYL-AMMONIUM FLUORIDE	OCTADECENYLAMMONIUM FLUORIDE	2782-81-2	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains octadecenylammonium fluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
OCTANOHYDROXAMIC ACID	OCTANOHYDROXAMIC ACID	7377-03- 9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentrations of 0.3%.	
OCTANOHYDROXAMIC ACID	OCTANOHYDROXAMIC ACID	7377-03- 9	According to NICNAS, the maximum concentration of use for this chemical should be no more than 0.3% in order to provide an adequate safety margin for repeated and concurrent use of products containing the notified chemical. Formulators should also consider monitoring products for formation of hydroxylamine if formulated at pH < 5 or pH > 8, or if formulation intermediates are substantially acidic or basic.	
OCTISALATE	ETHYLHEXYL SALICYLATE	118-60-5	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
OCTISALATE	OCTYLSALICYLATE	118-60-5	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in rinseoff products (not applied to mucosa).	
OCTISALATE	OCTYLSALICYLATE	118-60-5	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 5% in products meant to be applied to the mucosa.	
OCTISALATE	OCTYLSALICYLATE	118-60-5	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in leaveon products (not applied to mucosa).	
OCTOCRYLENE	2CYANO33DIPHENYLPROP 2ENOICACID2ETHYLHEXY LESTEROCTOCRYLENE	6197-30- 4	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10%.	
OCTOCRYLENE	OCTOCRYLENE	6197-30- 4	Per COSING, the maximum concentration in RTU preparation is a) 0.9% in propellant spray products b) 10% in other products. Benzophenone as an impurity and/or degradation product of Octocrylene shall be kept at trace level.	
OCTOXYNOL 12 PHOSPHATE	Octoxynol 12 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTOXYNOL 12 PHOSPHATE	Octoxynol12 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTOXYNOL-1	OCTOXYNOL1	2315-67- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-10	OCTOXYNOL10	2315-66- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25% in hair bleaches. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OCTOXYNOL-12	OCTOXYNOL12	9002-93- 1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-16	OCTOXYNOL16	9002-93- 1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-20	OCTOXYNOL20	9002-93- 1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-20 CARBOXYLIC ACID	OCTOXYNOL20 CARBOXYLIC ACID	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-25	OCTOXYNOL25	9002-93- 1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-3	OCTOXYNOL3	2315-62- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-30	OCTOXYNOL30	9002-93- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-33	OCTOXYNOL33	9002-93- 1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-40	OCTOXYNOL40	9002-93- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.02%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-5	OCTOXYNOL5	2315-64- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-6	OCTOXYNOL6	9002-93- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-7	OCTOXYNOL7	9002-93- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-70	OCTOXYNOL70	9002-93- 1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-8	OCTOXYNOL8	2638-43- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTOXYNOL-9 CARBOXYLIC ACID	OCTOXYNOL9 CARBOXYLIC ACID	25338-58 -3	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
OCTYL PELARGONATE	ETHYLHEXYL PELARGONATE	59587-44 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
OCTYLDECYL PHOSPHATE	OCTYLDECYL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OCTYLDODECETH-10	OCTYLDODECETH10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTYLDODECETH-16	OCTYLDODECETH16	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTYLDODECETH-2	OCTYLDODECETH2	32128-65 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTYLDODECETH-20	OCTYLDODECETH20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTYLDODECETH-25	OCTYLDODECETH25	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTYLDODECETH-30	OCTYLDODECETH30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTYLDODECETH-5	OCTYLDODECETH5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OCTYLDODECYL BEESWAX	OCTYLDODECYL BEESWAX	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OCTYLDODECYL BEHENATE	OCTYLDODECYL BEHENATE	125804-0 8-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OCTYLDODECYL BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
OCTYLDODECYL BENZOATE	OCTYLDODECYL BENZOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
OCTYLDODECYL MYRISTATE	Octyldodecyl Myristate	22766-83 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 21%.	
OCTYLDODECYL NEOPENTANOATE	OCTYLDODECYL NEOPENTANOATE	0	The Cosmetic Ingredient Review Expert Panel concluded that this ingredient is safe in the present practices of use and concentrations < 20% when formulated to be nonirritating	
OCTYLDODECYL RICINOLEATE	OCTYLDODECYL RICINOLEATE	79490-62 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
OCTYLDODECYL STEAROYL STEARATE	OCTYLDODECYL STEAROYL STEARATE	90052-75 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Octylphenol ethoxylate	Octylphenol Ethoxylate	9036-19- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OIL BLEND - EWG REVIEWED #295280	BISABOLOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
OIL BLEND - EWG REVIEWED #295286	BISABOLOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
OIL BLEND - EWG REVIEWED #295290	BISABOLOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
OIL BLEND - EWG REVIEWED #295320	BISABOLOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
OIL BLEND - EWG REVIEWED #295323	BISABOLOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
OIL BLEND - EWG REVIEWED #295342	BISABOLOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
OIL OF CALAMUS	OIL OF CALAMUS	8015-79- 0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
OIL OF CALAMUS	OIL OF CALAMUS	8015-79- 0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
Oils, cinnamon, terpene-free	Eugenol, contact allergen for eczema products	68916-65 -4	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, cinnamon, terpene-free	Linalool, contact allergen for eczema products	68916-65 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, citronella, reduced	Geraniol, contact allergen for eczema products	68916-56 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
OILS, EUCALYPTUS, E. CITRIODORA, ACETYLATED	Linalool, contact allergen for eczema products	68991-29 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, geranium, bourbon, distn. residues	Geraniol, contact allergen for eczema products	68916-42 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Oils, geranium, bourbon, distn. residues	Linalool, contact allergen for eczema products	68916-42 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, geranium, terpene-free	Geraniol, contact allergen for eczema products	68916-44 -9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, geranium, terpene-free	Linalool, contact allergen for eczema products	68916-44 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OILS, IMMORTELLE	Geraniol, contact allergen for eczema products	8023-95- 8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
OILS, IMMORTELLE	Linalool, contact allergen for eczema products	8023-95- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OILS, LIATRIS ODORATISSIMA	Coumarin, contact allergen for eczema products	68606-82 -6	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, lime, psoralen-free	Citral, contact allergen for eczema products	68916-83 -6	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, marjoram, pot	Geraniol, contact allergen for eczema products	336185-2 1-8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Oils, marjoram, pot	Linalool, contact allergen for eczema products	336185-2 1-8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, narcissus poeticus	Coumarin, contact allergen for eczema products	68917-12- 4	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sour, terpene-free	Citral, contact allergen for eczema products	68916-02 -9	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sour, terpene-free	Farnesol, contact allergen for eczema products	68916-02 -9	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sour, terpene-free	Geraniol, contact allergen for eczema products	68916-02 -9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sour, terpene-free	Linalool, contact allergen for eczema products	68916-02 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on	CAS	Public explanation	2024 update
Oils, orange, sweet, psoralen-free	Citral, contact allergen for eczema products	68917-07 -7	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sweet, psoralen-free	Farnesol, contact allergen for eczema products	68917-07 -7	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sweet, psoralen-free	Geraniol, contact allergen for eczema products	68917-07 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sweet, psoralen-free	Linalool, contact allergen for eczema products	68917-07 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sweet, terpene-free	Citral, contact allergen for eczema products	68606-94 -0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sweet, terpene-free	Farnesol, contact allergen for eczema products	68606-94 -0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, orange, sweet, terpene-free	Geraniol, contact allergen for eczema products	68606-94 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Oils, orange, sweet, terpene-free	Linalool, contact allergen for eczema products	68606-94 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, petitgrain, sapond.	Citral, contact allergen for eczema products	68606-99 -5	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, petitgrain, sapond.	Geraniol, contact allergen for eczema products	68606-99 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, petitgrain, sapond.	Linalool, contact allergen for eczema products	68606-99 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, treemoss, resinoid	Contact allergens for eczema products	68917-40 -8	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	х

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Oils, treemoss, resinoid	Treemoss Extracts	68917-40 -8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.03% in deodorants/antiperspirants, 0.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.5% in mouthwashes, breath sprays, and toothpastes, 0.1% in nitimate wipes, and baby wipes, 0.1% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.1% in bath products (bar and liquid soap, bath gels, body washes, etc.).	
Oils, treemoss, resinoid	Treemoss Extracts	68917-40 -8	The International Fragrance Association restricts the dehydroabietic acid (DHA) concentration of this ingredient to a maximum of 0.8% in the extract, and the levels of atranol and chloroatranol should each be below 100ppm.	
Oils, treemoss, resinoid	Treemoss Extracts	68917-40 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.020% Category 2) 0.016% Category 3) 0.10% Category 4) 0.10% Category 5A) 0.076% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.076% Category 6) 0.18% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.032% Category 9) 0.10% Category 10A) 0.10% Category 10B) 0.10% Category 11A) 0.10% Category 11B) 0.10% Category 12) No Restriction	
Oils, vetiver, acetylated	Acetylated Vetiver oil	68917-34 -0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.07% in lip products, 0.08% in deodorants/antiperspirants, 0.35% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.04% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.55% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.67% in mouthwashes, breath sprays, and toothpastes, 0.17% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
Oils, vetiver, acetylated	Acetylated Vetiver oil	68917-34 -0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.050% Category 2) 0.050% Category 3) 0.050% Category 4) 0.90% Category 5A) 0.10% Category 5B) 0.10% Category 5C) 0.10% Category 5D) 0.033% Category 6) 0.098% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.033% Category 9) 0.20% Category 10A) 0.20% Category 10B) 3.8% Category 11A) 0.033% Category 11B) 0.033% Category 12) No Restriction	
Oils, wormwood, terpene-free	Geraniol, contact allergen for eczema products	73138-77- 9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, wormwood, terpene-free	Linalool, contact allergen for eczema products	73138-77- 9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Oils, ylang ylang, terpene-free	Benzyl Salicylate, contact allergen for eczema products	68952-44 -3	This ingredient contains Benzyl Salicylate, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, ylang ylang, terpene-free	Farnesol, contact allergen for eczema products	68952-44 -3	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, ylang ylang, terpene-free	Geraniol, contact allergen for eczema products	68952-44 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Oils, ylang ylang, terpene-free	Linalool, contact allergen for eczema products	68952-44 -3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OLEA EUROPAEA (OLIVE) OIL UNSAPONIFIABLES	OLEA EUROPAEA (OLIVE) OIL UNSAPONIFIABLES	156798-1 2-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
OLEAMIDE DEA	OLEAMIDE DEA	93-83-4	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
OLEAMIDE DEA	OLEAMIDE DEA	93-83-4	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
OLEAMIDE MIPA	OLEAMIDE MIPA	111-05-7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OLEAMIDOPROPYL BETAINE	OLEAMIDOPROPYL BETAINE	25054-76 -6	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
OLEAMIDOPROPYL DIMETHYLAMINE	Oleamidopropyl dimethylamine	109-28-4	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
OLEAMIDOPROPYL HYDROXYSULTAINE	OLEAMIDOPROPYL HYDROXYSULTAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
OLEAMINE	OLEAMINE	112-90-3	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
OLEAN-12-EN-29-OIC ACID, 3-(ACETYLOXY)-11-OXO-, ALUMINUM SALT, (3-BETA,20-BETA)-	Aluminum Compounds	29728-34 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
OLEIC ACID	OLEIC ACID	112-80-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 20%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OLEIC/LINOLEIC TRIGLYCERIDE	OLEIC/LINOLEIC TRIGLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
OLEIC/PALMITIC/LAURIC/ MYRISTIC/LINOLEIC TRIGLYCERIDE	OLEIC/PALMITIC/LAURIC /MYRISTIC/LINOLEIC TRIGLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
OLEOYL SARCOSINE	OLEOYL SARCOSINE	110-25-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR restricts this ingredient to products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
OLETH-10	OLETH10	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH106	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH11	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH12	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH15	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH2	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH20	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH23	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH24	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH25	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OLETH-10	OLETH30	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH35	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH40	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH44	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH50	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH6	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH7	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH8	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH82	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10	OLETH9	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10 CARBOXYLIC ACID	Oleth10 Carboxylic Acid	57635-48 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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OLETH-10 CARBOXYLIC ACID	Oleth3 Carboxylic Acid	57635-48 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10 CARBOXYLIC ACID	Oleth6 Carboxylic Acid	57635-48 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10 PHOSPHATE	Oleth10 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10 PHOSPHATE	Oleth2 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10 PHOSPHATE	Oleth20 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10 PHOSPHATE	Oleth3 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10 PHOSPHATE	Oleth4 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-10 PHOSPHATE	Oleth5 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-106	OLETH106	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-11	OLETH11	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-12	OLETH12	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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OLETH-15	OLETH15	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-16	OLETH16	25190-05 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-2	OLETH2	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-2 BENZOATE	Oleth2 Benzoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-2 PHOSPHATE	Oleth2 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-2 POLYSORBATE 20	Oleth2 Polysorbate 20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-20	OLETH20	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-20 PHOSPHATE	Oleth20 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-23	OLETH23	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-24	OLETH24	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-25	OLETH25	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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OLETH-3	OLETH3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	-
OLETH-3 CARBOXYLIC ACID	Oleth3 Carboxylic Acid	57635-48 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-3 PHOSPHATE	Oleth3 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-30	OLETH30	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-35	OLETH35	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-4	OLETH4	5353-26- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-4 PHOSPHATE	Oleth4 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-40	OLETH40	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-44	OLETH44	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-5	OLETH5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-5 PHOSPHATE	Oleth5 Phosphate	39464-69 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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OLETH-50	OLETH50	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-6	OLETH6	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-6 CARBOXYLIC ACID	Oleth6 Carboxylic Acid	57635-48 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-7	OLETH7	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-8	OLETH8	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-82	OLETH82	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLETH-9	OLETH9	9004-98- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLEYL BETAINE	OLEYL BETAINE	871-37-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OLEYL ETHYL PHOSPHATE	OLEYL ETHYL PHOSPHATE	10483-96 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OLEYL PHOSPHATE	OLEYL PHOSPHATE	37310-83 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OLIGOPEPTIDE-29	Insufficient data ingredient	0	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	X
OLIGOPEPTIDE-32	Insufficient data ingredient	0	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products	x
OLIVAMIDE DEA	OLIVAMIDE DEA	124046-3 0-6	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OLIVAMIDE DEA	OLIVAMIDE DEA	124046-3 0-6	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
OLIVAMIDOPROPYL BETAINE	OLIVAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
OLIVAMIDOPROPYL DIMETHYLAMINE	OLIVAMIDOPROPYL DIMETHYLAMINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
OLIVE OIL GLYCERETH-8 ESTERS	OLIVE OIL GLYCERETH-8 ESTERS	0	The U.S. Food & Drug Administration has identified 1,4-dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVE OIL PEG-10 ESTERS	OLIVE OIL PEG-10 ESTERS	103819-4 6-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OLIVE OIL PEG-10 ESTERS	Olive Oil Peg10 Esters	103819-4 6-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVE OIL PEG-10 ESTERS	Olive Oil Peg6 Esters	103819-4 6-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVE OIL PEG-10 ESTERS	Peg2 Olive Glycerides	103819-4 6-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVE OIL PEG-10 ESTERS	Peg6 Olive Glycerides	103819-4 6-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVE OIL PEG-6 ESTERS	OLIVE OIL PEG-6 ESTERS	103819-4 6-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OLIVE OIL PEG-6 ESTERS	Olive Oil Peg6 Esters	103819-4 6-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVE OIL PEG-7 ESTERS	OLIVE OIL PEG-7 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OLIVE OIL PEG-7 ESTERS	Olive Oil Peg7 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVE OIL PEG-8 ESTERS	OLIVE OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OLIVE OIL PEG-8 ESTERS	Olive Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVE OIL PEG/PPG-3/1 ESTERS	Olive Oil Peg/ppg3/1 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OLIVEAMIDE MEA	OLIVEAMIDE MEA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OPOPANAX CHIRONIUM RESIN EXTRACT	OPOPANAX CHIRONIUM RESIN EXTRACT	93384-32 -8	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
OPOPANAX CHIRONIUM RESIN EXTRACT	OPOPANAX CHIRONIUM RESIN STEAMDISTILLED OIL	93384-32 -8	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
OPOPANAX CHIRONIUM RESIN EXTRACT	Οροροπαχ	93384-32 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077% Category 2) 0.023% Category 3) 0.46% Category 4) 0.43% Category 5A) 0.11% Category 5B) 0.11% Category 5C) 0.11% Category 5D) 0.11% Category 6) 0.25% Category 7A) 0.88% Category 7B) 0.88% Category 8) 0.045% Category 9) 0.84% Category 10A) 3.0% Category 10B) 3.0% Category 11A) 1.7% Category 11B) 1.7% Category 12) No Restriction; Benzopyrene and 1,2Benzanthracene are to be used as markers for PAH. If used alone or in combination with rectified Cade oil, rectified Birch tar oils or rectified Styrax oil, the total concentration of both of the markers should not exceed 1 ppb in the final product.	
OPOPANAX CHIRONIUM RESIN EXTRACT	Opoponax (all forms)	93384-32 -8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.15% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.45% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.24% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.6% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 0.6% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.6% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
OPOPANAX CHIRONIUM RESIN STEAM-DISTILLED OIL	OPOPANAX CHIRONIUM RESIN STEAMDISTILLED OIL	93384-32 -8	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
Οροροπαχ	Opoponax	9000-78- 6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077% Category 2) 0.023% Category 3) 0.46% Category 4) 0.43% Category 5A) 0.11% Category 5B) 0.11% Category 5C) 0.11% Category 5D) 0.11% Category 6) 0.25% Category 7A) 0.88% Category 7B) 0.88% Category 8) 0.045% Category 9) 0.84% Category 10A) 3.0% Category 10B) 3.0% Category 11A) 1.7% Category 11B) 1.7% Category 12) No Restriction; Benzopyrene and 1,2Benzanthracene are to be used as markers for PAH. If used alone or in combination with rectified Cade oil, rectified Birch tar oils or rectified Styrax oil, the total concentration of both of the markers should not exceed 1 ppb in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Οροροπαχ	Οροροπαχ	9000-78- 6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077% Category 2) 0.023% Category 3) 0.46% Category 4) 0.43% Category 5A) 0.11% Category 5B) 0.11% Category 5C) 0.11% Category 5D) 0.11% Category 6) 0.25% Category 7A) 0.88% Category 7B) 0.88% Category 8) 0.045% Category 9) 0.84% Category 10A) 3.0% Category 10B) 3.0% Category 11A) 1.7% Category 11B) 1.7% Category 12) No Restriction; Benzopyrene and 1,2Benzanthracene are to be used as markers for PAH. If used alone or in combination with rectified Cade oil, rectified Birch tar oils or rectified Styrax oil, the total concentration of both of the markers should not exceed 1 ppb in the final product.	
Οροροπαχ	Οροροπαχ	9000-78- 6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077% Category 2) 0.023% Category 3) 0.46% Category 4) 0.43% Category 5A) 0.11% Category 5B) 0.11% Category 5C) 0.11% Category 5D) 0.11% Category 6) 0.25% Category 7A) 0.88% Category 7B) 0.88% Category 8) 0.045% Category 9) 0.84% Category 10A) 3.0% Category 10B) 3.0% Category 11A) 1.7% Category 11B) 1.7% Category 12) No Restriction; Benzopyrene and 1,2Benzanthracene are to be used as markers for PAH. If used alone or in combination with rectified Cade oil, rectified Birch tar oils or rectified Styrax oil, the total concentration of both of the markers should not exceed 1 ppb in the final product.	
Opoponax	Opoponax (all forms)	9000-78-6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.15% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.45% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.24% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.6% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 0.6% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.6% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
OPOPONAX OIL	Οροροπαχ	8021-36- 1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077% Category 2) 0.023% Category 3) 0.46% Category 4) 0.43% Category 5A) 0.11% Category 5B) 0.11% Category 5C) 0.11% Category 5D) 0.11% Category 6) 0.25% Category 7A) 0.88% Category 7B) 0.88% Category 8) 0.045% Category 9) 0.84% Category 10A) 3.0% Category 10B) 3.0% Category 11A) 1.7% Category 11B) 1.7% Category 12) No Restriction; Benzopyrene and 1,2Benzanthracene are to be used as markers for PAH. If used alone or in combination with rectified Cade oil, rectified Birch tar oils or rectified Styrax oil, the total concentration of both of the markers should not exceed 1 ppb in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
OPOPONAX OIL	Opoponax (all forms)	8021-36-1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.15% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.45% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.24% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.6% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 0.6% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
OPOPONAX OIL	Opoponax oil	8021-36- 1	The European Commission restricts this ingredient to a maximum concentration of 0.6%.	
OPTIPHEN	Phenoxyethanol	0	The Cosmetic Ingredient Review has determined that Phenoxyethanol (a component of several branded preservatives) is safe as used up to a concentration of 1%.	
OPTIPHEN	Phenoxyethanol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 1%.	
OPTIPHEN	SORBIC ACID	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
ORANGE	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORANGE	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE AMARA	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORANGE AMARA	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE AMARA	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE AMARA	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ORANGE BLOSSOM	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE BLOSSOM	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE BLOSSOM	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE BLOSSOM	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE BLOSSOM WAX	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE BLOSSOM WAX	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE BLOSSOM WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
ORANGE BLOSSOM WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange carbonyls	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange carbonyls	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange carbonyls	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ESSENCE	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ESSENCE	Citral, contact allergen for eczema products	68514-75 -0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ESSENCE	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ORANGE ESSENCE	Farnesol, contact allergen for eczema products	68514-75 -0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
ORANGE ESSENCE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ESSENCE	Geraniol, contact allergen for eczema products	68514-75 -0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ESSENCE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ESSENCE	Linalool, contact allergen for eczema products	68514-75 -0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE FLOWER	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE FLOWER	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE FLOWER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE FLOWER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE FLOWER OIL, SWEET	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORANGE FLOWER OIL, SWEET	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORANGE FLOWER OIL, SWEET	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORANGE FLOWER OIL, SWEET	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Orange Juice Concentrate	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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Orange Juice Concentrate	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange Juice Concentrate	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	х
Orange Juice Concentrate	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE OIL EXTRACT	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE OIL EXTRACT	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE OIL EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORANGE OIL EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange oil terpeneless	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange oil terpeneless	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange oil terpeneless	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange oil terpeneless	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE PEEL	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORANGE PEEL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE PEEL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ORANGE PEEL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE PITH JUICE	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	х
ORANGE PITH JUICE	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE PITH JUICE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORANGE PITH JUICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE PULP	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE PULP	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE PULP	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE PULP	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ROUGHY OIL	Citral, contact allergen for eczema products	91078-99 -8	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ROUGHY OIL	Farnesol, contact allergen for eczema products	91078-99 -8	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ROUGHY OIL	Geraniol, contact allergen for eczema products	91078-99 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE ROUGHY OIL	Linalool, contact allergen for eczema products	91078-99 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE WAX	Citral, contact allergen for eczema products	0	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ORANGE WAX	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORANGE WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange, sour, ext., sapond.	Citral, contact allergen for eczema products	91079-33 -3	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange, sour, ext., sapond.	Farnesol, contact allergen for eczema products	91079-33 -3	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange, sour, ext., sapond.	Geraniol, contact allergen for eczema products	91079-33 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Orange, sour, ext., sapond.	Linalool, contact allergen for eczema products	91079-33 -3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORBIGNYA OLEIFERA (BABASSU) SEED OIL	ORBIGNYA OLEIFERA SEED OIL	91078-92 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 27%	
ORBIGNYA OLEIFERA SEED OIL PEG-8 ESTERS	ORBIGNYA OLEIFERA SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ORBIGNYA OLEIFERA SEED OIL PEG-8 ESTERS	Orbignya Oleifera Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ORBIGNYA SPECIOSA KERNEL OIL	ORBIGNYA SPECIOSA KERNEL OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.9%.	
ORIGANUM CAMPACTUM (WILD OREGANO)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM CAMPACTUM (WILD OREGANO)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORIGANUM CRETIUM HERB EXTRACT	Geraniol, contact allergen for eczema products	91722-83- 7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM CRETIUM HERB EXTRACT	Linalool, contact allergen for eczema products	91722-83- 7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ORIGANUM CRETIUM HERB OIL	Geraniol, contact allergen for eczema products	91722-83- 7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM CRETIUM HERB OIL	Linalool, contact allergen for eczema products	91722-83- 7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM DICTAMNUS (DITTANY OF CRETE) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM DICTAMNUS (DITTANY OF CRETE) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM HERACLEOTICUM FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM HERACLEOTICUM FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM MAJORANA (SWEET MARJORAM)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORIGANUM MAJORANA (SWEET MARJORAM)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM MAJORANA (SWEET MARJORAM) FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM MAJORANA (SWEET MARJORAM) FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM MAJORANA (SWEET MARJORAM) LEAF EXTRACT	Geraniol, contact allergen for eczema products	84082-58 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM MAJORANA (SWEET MARJORAM) LEAF EXTRACT	Linalool, contact allergen for eczema products	84082-58 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM MAJORANA (SWEET MARJORAM) LEAF OIL	Geraniol, contact allergen for eczema products	8015-01- 8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM MAJORANA (SWEET MARJORAM) LEAF OIL	Linalool, contact allergen for eczema products	8015-01- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ORIGANUM MAJORANA (SWEET MARJORAM) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM MAJORANA (SWEET MARJORAM) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
ORIGANUM OIL	Geraniol, contact allergen for eczema products	8007-11- 2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM OIL	Linalool, contact allergen for eczema products	8007-11- 2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE (OREGANO)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ORIGANUM VULGARE (OREGANO)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE (OREGANO) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE (OREGANO) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE (OREGANO) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE (OREGANO) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Origanum vulgare (Wild Marjoram) Leaf Oil	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Origanum vulgare (Wild Marjoram) Leaf Oil	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE FLOWER EXTRACT	Geraniol, contact allergen for eczema products	84012-24 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE FLOWER EXTRACT	Linalool, contact allergen for eczema products	84012-24 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ORIGANUM VULGARE LEAF	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
ORIGANUM VULGARE LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORIGANUM VULGARE LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ORYZA SATIVA (BROWN RICE)	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) BRAN	ORYZA SATIVA (RICE) BRAN	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: heavy metals and pesticides.	
ORYZA SATIVA (RICE) BRAN EXTRACT	ORYZA SATIVA (RICE) BRAN EXTRACT	90106-37 -9	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: heavy metals and pesticides.	
ORYZA SATIVA (RICE) BRAN EXTRACT	ORYZA SATIVA (RICE) BRAN EXTRACT	90106-37 -9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.3%.	
ORYZA SATIVA (RICE) BRAN OIL	ORYZA SATIVA (RICE) BRAN OIL	68553-81 -1	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) BRAN WATER	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) BRAN WAX	ORYZA SATIVA (RICE) BRAN EXTRACT	8016-60- 2	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: heavy metals and pesticides.	
ORYZA SATIVA (RICE) BRAN WAX	ORYZA SATIVA (RICE) BRAN WAX	8016-60- 2	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: heavy metals and pesticides.	
ORYZA SATIVA (RICE) EXTRACT	ORYZA SATIVA (RICE) BRAN OIL	68553-81 -1	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) EXTRACT	ORYZA SATIVA (RICE) EXTRACT	68553-81 -1	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: heavy metals and pesticides.	
ORYZA SATIVA (RICE) FLOUR	ORYZA SATIVA (RICE) BRAN OIL	68553-81 -1	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) GERM OIL	ORYZA SATIVA (RICE) GERM OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: heavy metals and pesticides.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ORYZA SATIVA (RICE) HULL POWDER	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) HULLS	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
Oryza Sativa (Rice) Lipids	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
Oryza Sativa (Rice) Lipids	ORYZA SATIVA (RICE) EXTRACT	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: heavy metals and pesticides.	
ORYZA SATIVA (RICE) OIL	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) POWDER	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) PROTEIN	ORYZA SATIVA (RICE) BRAN OIL	0	Upon review of these ingredients, the Panel expressed concern regarding gossypol (for cotton-derived ingredients), pesticide residues, and heavy metals that may be present in botanical ingredients.	
ORYZA SATIVA (RICE) STARCH	ORYZA SATIVA (RICE) STARCH	9005-25- 8	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: heavy metals and pesticides.	
OSMANTHUS ABSOLUTE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OSMANTHUS FRAGRANS (SWEET OLIVE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	92347-21 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
OXALIC ACID	oxalic acid	144-62-7	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
OXIDIZED KERATIN	OXIDIZED KERATIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
OXIDIZED POLYETHYLENE	Oxidized Polyethylene	68441-17 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ Ppg 116/ 66 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Oxirane, 2-methyl-, polymer with oxirane	Peg/ Ppg 38/ 8 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ Ppg240/ 60 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg1/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg10/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg10/70 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg125/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg150/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg160/31 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg18/4 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg200/70 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg23/17 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg23/50 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg25/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg26/31 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg30/160 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg30/33 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg300/55 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg32/3 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg35/9 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg4/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg5/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg6/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg7/50 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Oxirane, 2-methyl-, polymer with oxirane	Peg/ppg8/17 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
OXIRANE, METHYL, POLYMER WITH OXIRANE, MONO(2ETHYLHEXYL) ETHER	OXIRANE, METHYL, POLYMER WITH OXIRANE, MONO(2ETHYLHEXYL) ETHER	64366-70 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
OXYQUINOLINE	OXYQUINOLINE	148-24-3	The European Commission restricts this ingredient to a maximum concentration of 0.3% (as base) in hair rinseoff products and 0.03% (as base) in hair leaveon products, both as a stabilizer for hydrogen peroxide.	
OXYQUINOLINE	OXYQUINOLINE	148-24-3	The Cosmetic Ingredient Review restricts the use of this ingredient to a stabilizer for hydrogen peroxide in rinseoff hair products.	
OZOKERITE	OZOKERITE	12198-93- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 22%	
OZOKERITE	OZOKERITE	12198-93- 5	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 3% and PAH levels must be below 10 ppb. Mineral waxes must have an average molecular weight of at least 500 Daltons and a viscosity value greater than or equal to 11 centistokes at 100oC or greater than or equal to 8 centistokes at 120oC. Additionally, no more than 5% of hydrocarbons with a chain length less than C25 may be present.	
p-Isobutyl-alpha-methyl hydrocinnamaldehyde	pIsobutylamethyl hydrocinnamaldehyde	6658-48- 6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.07% in lip products, 0.08% in deodorants/antiperspirants, 0.35% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.04% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.55% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.67% in mouthwashes, breath sprays, and toothpastes, 0.17% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
p-Isobutyl-alpha-methyl hydrocinnamaldehyde	pIsobutylαmethyl hydrocinnamaldehyde	6658-48- 6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.080 % Category 2) 0.053 % Category 3) 0.80 % Category 4) 0.99 % Category 5A) 0.25 % Category 5B) 0.25 % Category 5C) 0.25 % Category 5D) 0.083 % Category 6) 0.080 % Category 7A) 0.72 % Category 7B) 0.72 % Category 8) 0.083 % Category 9) 1.9 % Category 10A) 1.9 % Category 10B) 5.4 % Category 11A) 0.083 % Category 11B) 0.083 % Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
p-MENTHAN-7-OL	cis,trans4(Isopropyl)cycloh exanemethanol	13828-37- 0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.25 % Category 2) 0.39 % Category 3) 0.099 % Category 4) 4.7 % Category 5A) 1.2 % Category 5B) 0.15 % Category 5C) 0.20 % Category 5D) 0.049 % Category 6) 0.0099 % Category 7A) 0.13 % Category 7B) 0.13 % Category 8) 0.049 % Category 9) 0.39 % Category 10A) 0.39 % Category 10B) 1.1 % Category 11A) 0.049 % Category 11B) 0.049 % Category 12) 28 %	
P-METHYLAMINOPHENOL SULFATE	PMETHYLAMINOPHENOL SULFATE	1936-57- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.	
P-METHYLAMINOPHENOL SULFATE	Secondary and Tertiary Aromatic Amines (Aniline)	1936-57- 8	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	×
P-METHYLAMINOPHENOL SULFATE	Secondary and Tertiary Aromatic Amines (Nitrosamine)	1936-57- 8	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
P-PHENYLENEDIAMINE SULFATE P-PHENYLENEDIAMINE SULFATE	1,4Phenylenediamine Sulfate	16245-77 -5	(*) Health Canada restricts the use of this ingredient to oxidative hair dyes with a maximum concentration of 3% after dilution with an oxidizer, and it cannot be used on skin products.	
P-PHENYLENEDIAMINE SULFATE P-PHENYLENEDIAMINE SULFATE	PPHENYLENEDIAMINE SULFATE PPHENYLENEDIAMINE SULFATE	16245-77 -5	The European Commission restricts this ingredient to a maximum concentration of 2% (calculated as free base) when applied to hair after mixing under oxidative conditions.	
P-PHENYLENEDIAMINE, N,N-BIS(2-HYDROXYETHYL)- , SULFATE (1:1)	N,NBIS(2HYDROXYETHYL) PPHENYLENEDIAMINE SULFATE	63886-75 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
PADIMATE O	Secondary and Tertiary Aromatic Amines (Aniline)	21245-02 -3	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
PADIMATE O	Secondary and Tertiary Aromatic Amines (Nitrosamine)	21245-02 -3	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	Х
PAEONIA SUFFRUTICOSA SEED OIL	PAEONIA SUFFRUTICOSA SEED OIL	0	Fatty acids are a major component of this substance. The Cosmetics Ingredient Review found fatty acids to be safe as used in cosmetics when formulated to be non-sensitizing and non-irritating.	
PALAU WHITE CLAY EXTRACT	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
PALM ACID	PALM ACID	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 17%.	
PALM KERNEL ACID	PALM KERNEL ACID	101403-9 8-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	
PALM KERNELAMIDE DEA	PALM KERNELAMIDE DEA	73807-15 -5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
PALM KERNELAMIDE DEA	PALM KERNELAMIDE DEA	73807-15 -5	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	

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PALM KERNELAMIDE MIPA	PALM KERNELAMIDE MIPA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PALM KERNELAMIDOPROPYL BETAINE	PALM KERNELAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
PALM OIL PEG-8 ESTERS	PALM OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PALM OIL PEG-8 ESTERS	Palm Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PALMAMIDE DEA	PALMAMIDE DEA	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
PALMAMIDE DEA	PALMAMIDE DEA	0	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
PALMAMIDE MIPA	PALMAMIDE MIPA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PALMAMIDOPROPYL BETAINE	PALMAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
PALMARIA PALMATA (DULSE) EXTRACT	PALMARIA PALMATA (DULSE) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PALMITAMIDE DEA	PALMITAMIDE DEA	7545-24- 6	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
PALMITAMIDE DEA	PALMITAMIDE DEA	7545-24- 6	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
PALMITAMIDOPROPYL BETAINE	PALMITAMIDOPROPYL BETAINE	32954-43 -1	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	

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PALMITAMIDOPROPYL DIMETHYLAMINE	Palmitamidopropyl dimethylamine	39669-97 -1	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
PALMITAMINE	PALMITAMINE	143-27-1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
PALMITIC ACID	PALMITIC ACID	57-10-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PALMITOYL GLYCINE	Palmitoyl glycine	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%	
PALMITOYL HEXAPEPTIDE 12	Palmitoyl hexapeptide12	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.002%	
PALMITOYL INULIN	PALMITOYL INULIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PALMITOYL OLIGOPEPTIDE	Palmitoyl oligopeptide	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.002%	
PALMITOYL TETRAPEPTIDE-7	Palmitoyl Tetrapeptide7	221227-0 5-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.0015%	
PALMITOYL TRIPEPTIDE-1	Palmitoyl tripeptide1	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.001%	
PALMITOYLPROLINE	palmitoyl proline	59441-32 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.65%	
PANAX GINSENG (GINSENG) ROOT	Panax ginseng	50647-08 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PANAX GINSENG (GINSENG) ROOT	PANAX GINSENG (GINSENG) ROOT	50647-08 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PANAX GINSENG (GINSENG) ROOT EXTRACT	PANAX GINSENG (GINSENG) ROOT EXTRACT	90045-38 -8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.5%.	
PANAX GINSENG ROOT PROTOPLASTS	PANAX GINSENG ROOT PROTOPLASTS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PANAX GINSENG ROOT WATER	PANAX GINSENG ROOT WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PANAX JAPONICUS ROOT	PANAX JAPONICUS ROOT	0	The Cosmetic Ingredient Review found this substance	
PANAX NOTOGINSENG	PANAX NOTOGINSENG	0	The Cosmetic Ingredient Review found this substance	
ROOT POWDER PANAX QUINQUEFOLIUM	ROOT POWDER PANAX QUINQUEFOLIUM	0	was safe as used at the reported concentrations of use. The Cosmetic Inaredient Review found this substance	
ROOT EXTRACT	ROOT EXTRACT	0040.47	was safe as used at the reported concentrations of use.	
PANCREATIN	Pancreatin	8049-47- 6	sensitizing asthmagen by the Association of	
PANTHENOL	PANTHENOL	16485-10 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PANTHENYL ETHYL ETHER	Panthenyl Ethyl Ether	667-83-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
PANTHENYL ETHYL ETHER ACETATE	PANTHENYL ETHYL ETHER ACETATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PANTHENYL TRIACETATE	Panthenyl Triacetate	94089-18 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
PANTOTHENAMIDE MEA	Pantothenamide MEA	0	(*) The Cosmetic Ingredient Review does not allow the use of this ingredient in cosmetic products where Nnitroso compounds may be formed.	
PANTOTHENAMIDE MEA	PANTOTHENAMIDE MEA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PAPAIN	papain	9001-73- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PAPAVER SOMNIFERUM (POPPY) SEED OIL	Limonene, contact allergen for eczema products	84650-40 -8	This ingredient contains Limonene, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PAPAVERINE	papaverine	58-74-2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PARACHLOROMETAXYLENOL	CHLOROXYLENOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
PARACYMENE	Substances metabolized to 4-iPBA	99-87-6	This substance has a similar toxic metabolite as lilial and has been proposed for harmonised classification and labelling (CLH) as reprotox 1B, therefore they are restricted to 0.01% in the final product.	
PARAFFIN	Paraffin	64742-51 -4	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 3% and PAH levels must be below 10 ppb. Mineral waxes must have an average molecular weight of at least 500 Daltons and a viscosity value greater than or equal to 11 centistokes at 100oC or greater than or equal to 8 centistokes at 120oC. Additionally, no more than 5% of hydrocarbons with a chain length less than C25 may be present.	
Paraffin waxes, petroleum, clay-treated	CLAYS AND MINERALS	64742-43 -4	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
PASSIFLORA EDULIS (PASSION FRUIT) SEED OIL	PASSIFLORA EDULIS SEED OIL	97676-26 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
РСА	PCA	98-79-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%	
PCA	PCA	98-79-3	The Cosmetic Ingredient Review restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
PCA DIMETHICONE	PCA DIMETHICONE	179005-0 3-9	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEANUT GLYCERIDES	Peanut oil, extracts and derivatives	91744-77 -3	Europe restricts this chemical: Maximum concentration of peanut proteins: 0.5 ppm	
PEANUT OIL PEG-6 ESTERS	PEANUT OIL PEG-6 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEANUT OIL PEG-6 ESTERS	Peanut Oil Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEANUTAMIDE MIPA	PEANUTAMIDE MIPA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PECTIN	Pectin	9000-69- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PECTIN	PECTIN	9000-69- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
Pectinase	Pectinase	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PEG 8 AMODIMETHICONE	PEG 8 AMODIMETHICONE	182700-7 8-3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG 8 AMODIMETHICONE	PEG 8 AMODIMETHICONE	182700-7 8-3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG RICINOLEATE/DIMETHICON E COPOLYL	Peg Ricinoleate/dimethicone Copolyl	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG SOYA STEROL	Peg Soya Sterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG10 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG100 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG12 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg120 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg14 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG STEARATE	Peg15 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG150 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg18 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG20 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg23 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg25 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg3 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG30 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG32 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg35 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg36 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG STEARATE	PEG40 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg45 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG5 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG50 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG55 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG6 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	Peg7 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG75 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG8 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PEG90 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG STEARATE	PegStearates	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-## HYDROGENATED CASTOR OIL	Peg## Hydrogenated Castor Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-1 GLYCERYL SORBITAN OLEOSTEARATE	Peg1 Glyceryl Sorbitan Oleostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-1 STEARATE	Peg1 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10	PEG10	5579-66- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10	PEG10	5579-66- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
PEG-10 C12-18 ALKYL ETHER	Peg10 C1218 Alkyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 CASTOR OIL	PEG-10 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 CASTOR OIL	Peg10 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 COCAMINE	PEG10 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 COCO-BENZONIUM CHLORIDE	Peg10 CocoBenzonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 COCOATE	Peg10 Cocoate	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 COCONUT OIL ESTER	Peg10 Coconut Oil Ester	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-10 DIMALEATE COPOLYMER	Peg10 Dimaleate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 DIMETHICONE	PEG-10 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-10 DIMETHICONE	PEG10 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 DIMETHICONE	PEG10 DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 21%.	
PEG-10 DIMETHICONE CROSSPOLYMER	PEG-10 DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-10 DIMETHICONE CROSSPOLYMER	PEG-10 DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-10 DIMETHICONE CROSSPOLYMER	Peg10 Dimethicone Crosspolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	PEG-10 DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-10 DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	PEG-10 DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-10 DIMETHICONE/ VINYL DIMETHICONE CROSSPOLYMER	Peg10 Dimethicone/ Vinyl Dimethicone Crosspolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 DIOLEATE	PEG-10 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 DIOLEATE	Peg10 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 GLYCERYL ISOSTEARATE	Peg10 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-10 GLYCERYL OLEATE	Peg10 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 GLYCERYL OLEATE	Peg15 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 GLYCERYL OLEATE	Peg20 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 GLYCERYL OLEATE	Peg25 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 GLYCERYL OLEATE	Peg30 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 GLYCERYL STEARATE	Peg10 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 GLYCERYL TRIISOSTEARATE	Peg10 Glyceryl Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 GLYCERYL TRISTEARATE	Peg10 Glyceryl Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 HYDROGENATED CASTOR OIL	PEG-10 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 HYDROGENATED CASTOR OIL	Peg10 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 HYDROGENATED CASTOR OIL ISOSTEARATE	PEG-10 HYDROGENATED CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 HYDROGENATED CASTOR OIL ISOSTEARATE	Peg10 Hydrogenated Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 HYDROGENATED CASTOR OIL TRIISOSTEARATE	PEG-10 HYDROGENATED CASTOR OIL TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-10 HYDROGENATED CASTOR OIL TRIISOSTEARATE	Peg10 Hydrogenated Castor Oil Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 HYDROGENATED LANOLIN	PEG10 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 HYDROGENATED TALLOW AMINE	PEG-10 HYDROGENATED TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 HYDROGENATED TALLOW AMINE	Peg10 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 ISOLAURYL THIOETHER	Peg10 Isolauryl Thioether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 ISOSTEARATE	Peg10 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 LANOLATE	Peg10 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 LANOLIN	PEG10 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 LAURATE	PEG10 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 LAURATE	PEG10 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-10 METHYL ETHER DIMETHICONE	PEG-10 METHYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-10 METHYL ETHER DIMETHICONE	Peg10 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 NONAFLUOROHEXYL DIMETHICONE COPOLYMER	Peg10 Nonafluorohexyl Dimethicone Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-10 OLEAMINE	PEG-10 OLEAMINE	26635-93 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 OLEAMINE	Peg10 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEAMINE	Peg15 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEAMINE	Peg20 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEAMINE	Peg25 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEAMINE	Peg30 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEAMINE	Peg5 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEAMINE	Peg6 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg10 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg11 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg12 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg14 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-10 OLEATE	Peg15 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg150 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg16 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg20 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg23 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg3 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg32 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg36 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg4 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg5 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg6 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-10 OLEATE	Peg7 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg75 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg8 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLEATE	Peg9 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLIVE GLYCERIDES	PEG-10 OLIVE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 OLIVE GLYCERIDES	Peg10 Olive Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLIVE OIL	Peg10 Olive Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 OLIVE OIL GLYCERIDES	Peg10 Olive Oil Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 PHYTOSTEROL	Peg10 Phytosterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 POLYGLYCERYL-2 LAURATE	Peg10 Polyglyceryl2 Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 PROPYLENE GLYCOL	PEG10 PROPYLENE GLYCOL	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 RAPESEED STEROL	Peg10 Rapeseed Sterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-10 SORBITAN LAURATE	PEG10 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 SORBITAN LAURATE	PEG10 SORBITAN LAURATE	9005-64- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
PEG-10 SOYA STEROL	PEG10 SOY STEROL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
PEG-10 SOYA STEROL	Peg10 Soya Sterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 SOYAMINE	PEG-10 SOYAMINE	61791-24- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 SOYAMINE	Peg10 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 STEARAMIDE	PEG-10 STEARAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 STEARAMIDE	Peg10 Stearamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 STEARAMINE	PEG-10 STEARAMINE	9003-93- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 STEARAMINE	Peg10 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 STEARAMINE	Peg15 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 STEARAMINE	Peg2 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 STEARAMINE	Peg5 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 STEARAMINE	Peg50 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-10 STEARATE	PEG10 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 STEARYL BENZONIUM CHLORIDE	Peg10 Stearyl Benzonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 SUNFLOWER GLYCERIDES	PEG-10 SUNFLOWER GLYCERIDES	180254-5 2-8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 SUNFLOWER GLYCERIDES	Peg10 Sunflower Glycerides	180254-5 2-8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 SUNFLOWER GLYCERIDES	Peg2 Sunflower Glycerides	180254-5 2-8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLATE	Peg10 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLATE	Peg12 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLATE	Peg14 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLATE	Peg15 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLATE	Peg16 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLATE	Peg20 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLATE	Peg4 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-10 TALLATE	Peg5 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLATE	Peg8 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TALLOW AMINOPROPYLAMINE	Peg10 Tallow Aminopropylamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10 TSUBAKIATE GLYCERIDES	PEG-10 TSUBAKIATE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-10 TSUBAKIATE GLYCERIDES	Peg10 Tsubakiate Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10/LAURYL DIMETHICONE CROSSPOLYMER	PEG-10/LAURYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-10/LAURYL DIMETHICONE CROSSPOLYMER	PEG10/LAURYL DIMETHICONE CROSSPOLYMER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-10/LAURYL DIMETHICONE CROSSPOLYMER	PEG10/LAURYL DIMETHICONE CROSSPOLYMER	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
PEG-100	PEG100	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-100 CASTOR OIL	PEG-100 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-100 CASTOR OIL	Peg100 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-100 HYDROGENATED CASTOR OIL	PEG-100 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-100 HYDROGENATED CASTOR OIL	Peg100 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-100 ISOPROPYL MYRISTAT	Peg100 Isopropyl Myristat	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-100 LANOLIN	PEG100 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-100 SOYA STEROL	Peg100 Soya Sterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-100 STEARATE	PEG100 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-100 STEARATE	PEG100 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	
PEG-100/IPDI COPOLYMER	Peg100/ipdi Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-105 BEHENYL PROPYLENEDIAMINE	Peg105 Behenyl Propylenediamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 AVOCADO GLYCERIDES	PEG-11 AVOCADO GLYCERIDES	103819-4 4-9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-11 AVOCADO GLYCERIDES	Peg11 Avocado Glycerides	103819-4 4-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 AVOCADO GLYCERIDES	Peg14 Avocado Glycerides	103819-4 4-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 BABASSU GLYCERIDES	PEG-11 BABASSU GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-11 BABASSU GLYCERIDES	Peg11 Babassu Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 CASTOR OIL	PEG-11 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-11 CASTOR OIL	Peg11 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-11 COCAMIDE	PEG-11 COCAMIDE	61791-08 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-11 COCAMIDE	Peg11 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 COCOA BUTTER GLYCERIDES	PEG-11 COCOA BUTTER GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-11 COCOA BUTTER GLYCERIDES	Peg11 Cocoa Butter Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 LAURAMIDE	PEG-11 LAURAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-11 LAURAMIDE	Peg11 Lauramide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 METHYL ETHER DIMETHICONE	PEG-11 METHYL ETHER DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-11 METHYL ETHER DIMETHICONE	PEG-11 METHYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-11 METHYL ETHER DIMETHICONE	Peg11 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 OLEATE	Peg11 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-11 TALLOW AMINE	PEG-11 TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-11 TALLOW AMINE	Peg11 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-114 METHYLETHER POLYEPSILON CAPRALACTONE	Peg114 Methylether Polyepsilon Capralactone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-115M	PEG115M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-1182 METHYL ESTER SERICIN	Peg1182 Methyl Ester Sericin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12	PEG12	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 BEESWAX	Peg12 Beeswax	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 CARNAUBA	Peg12 Carnauba	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DIISOSTEARATE	PEG-12 DIISOSTEARATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-12 DIISOSTEARATE	Peg12 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DILAURATE	PEG12 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DIMETHICONE	PEG-12 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-12 DIMETHICONE	PEG12 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DIMETHICONE COPOLYOL	Peg12 Dimethicone Copolyol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DIMETHICONE CROSSPOLYMER	PEG-12 DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-12 DIMETHICONE CROSSPOLYMER	PEG-12 DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

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PEG-12 DIMETHICONE CROSSPOLYMER	Peg12 Dimethicone Crosspolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DIOLEATE	PEG-12 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-12 DIOLEATE	Peg12 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	PEG12 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	PEG120 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	PEG150 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	PEG175 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	Peg190 Distearate	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	PEG20 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	Peg250 Distearate	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	PEG3 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	PEG32 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-12 DISTEARATE	PEG6 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DISTEARATE	PEG75 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DITALLATE	PEG-12 DITALLATE	61791-01- 3	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-12 DITALLATE	Peg12 Ditallate	61791-01- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 DITALLATE	Peg8 Ditallate	61791-01- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 GLYCERYL DIMYRISTATE	Peg12 Glyceryl Dimyristate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 GLYCERYL DIOLEATE	Peg12 Glyceryl Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 GLYCERYL DISTEARATE	Peg12 Glyceryl Distearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 GLYCERYL LAURATE	Peg12 Glyceryl Laurate	51248-32 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 GLYCERYL LAURATE	Peg20 Glyceryl Laurate	51248-32 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 GLYCERYL LAURATE	Peg23 Glyceryl Laurate	51248-32 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 GLYCERYL LAURATE	Peg30 Glyceryl Laurate	51248-32 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-12 ISOSTEARATE	Peg12 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 LANOLATE	Peg12 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 LAURATE	PEG12 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 LAURATE	PEG12 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-12 METHYL ETHER LAUROXY PEG-5 AMIDOPROPYL DIMETHICONE	Peg12 Methyl Ether Lauroxy Peg5 Amidopropyl Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 METHYL GLUCOSE DIOLEATE	Peg12 Methyl Glucose Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 OLEATE	Peg12 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 PALM KERNEL GLYCERIDES	PEG-12 PALM KERNEL GLYCERIDES	124046-5 2-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-12 PALM KERNEL GLYCERIDES	Peg12 Palm Kernel Glycerides	124046-5 2-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 PALMITAMINE	PEG-12 PALMITAMINE	68155-33 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-12 PALMITAMINE	Peg12 Palmitamine	68155-33 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 STEARATE	PEG12 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-12 STEARATE	PEG12 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	

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PEG-12 TALLATE	Peg12 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 DISTEARATE	PEG120 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 ESTERS	Peg120 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 GLYCERYL STEARATE	Peg120 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 METHYL GLUCOSE	Peg120 Methyl Glucose	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 METHYL GLUCOSE DIOLEATE	PEG120 methyl glucose dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 METHYL GLUCOSE EXTRACT	Peg120 Methyl Glucose Extract	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 METHYL GLUCOSE TRIOLEATE	PEG120 methyl glucose trioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 PROPYLENE GLYCOL STEARATE	PEG120 PROPYLENE GLYCOL STEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-120 STEARATE	Peg120 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-125 COCOPOLYAMINE	Peg125 Cocopolyamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-13 DIPHENYLOL PROPANE	Peg13 Diphenylol Propane	9014-86- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-13 ETHYLHEXANOATE	Peg13 Ethylhexanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-13 HYDROGENATED TALLOW AMIDE	PEG-13 HYDROGENATED TALLOW AMIDE	68783-22 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-13 HYDROGENATED TALLOW AMIDE	Peg13 Hydrogenated Tallow Amide	68783-22 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-13 MINK GLYCERIDES	PEG-13 MINK GLYCERIDES	103819-4 5-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-13 MINK GLYCERIDES	Peg13 Mink Glycerides	103819-4 5-0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-13 STEARATE	Peg13 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-13 SUNFLOWER GLYCERIDES	PEG-13 SUNFLOWER GLYCERIDES	70377-91 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-13 SUNFLOWER GLYCERIDES	Peg13 Sunflower Glycerides	70377-91 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-130 GLYCERYL TALLOWATE	Peg130 Glyceryl Tallowate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-135	PEG135	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-136 Polyvinyl Alcohol	PEG-136 Polyvinyl Alcohol	25820-49 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-14	PEG14	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-14	PEG14	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
PEG-14 AVOCADO GLYCERIDES	PEG-14 AVOCADO GLYCERIDES	103819-4 4-9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-14 AVOCADO GLYCERIDES	Peg14 Avocado Glycerides	103819-4 4-9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-14 DIMETHICONE	PEG-14 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-14 DIMETHICONE	PEG14 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-14 LAURATE	PEG14 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-14 LAURATE	PEG14 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-14 OLEATE	Peg14 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-14 STEARATE	Peg14 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-14 TALLATE	Peg14 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-140 GLYCERYL TRISTEARATE	Peg140 Glyceryl Tristearate	41080-66 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-140 STEARATE	Peg140 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-14M	PEG14M	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-14M	PEG14M	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
PEG-15	Peg15	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 BUTANEDIOL	Peg15 Butanediol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 CASTOR OIL	PEG-15 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-15 CASTOR OIL	Peg15 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCAMINE	PEG10 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCAMINE	PEG15 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCAMINE	PEG2 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCAMINE	PEG20 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCAMINE	PEG3 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCAMINE	PEG5 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCAMINE OLEATE/PHOSPHATE	Peg15 Cocamine Oleate/phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-15 COCOATE	PEG15 COCOATE	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCOMONIUM METHOSULFATE	Peg15 Cocomonium Methosulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 COCOPOLYAMINE	Peg15 Cocopolyamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 DEDM HYDANTOIN	Peg15 Dedm Hydantoin	68130-12 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 DEDM HYDANTOIN STEARATE	Peg15 Dedm Hydantoin Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 DISTEARATE	Peg15 Distearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL ISOSTEARATE	Peg15 Glyceryl Isostearate	68958-58 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL ISOSTEARATE	Peg20 Glyceryl Isostearate	68958-58 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL ISOSTEARATE	Peg60 Glyceryl Isostearate	68958-58 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL LAURATE	Peg15 Glyceryl Laurate	57107-95 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL OLEATE	Peg15 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-15 GLYCERYL RICINOLEATE	Peg15 Glyceryl Ricinoleate	51142-51- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL RICINOLEATE	Peg20 Glyceryl Ricinoleate	51142-51- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL STEARATE	Peg15 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL TRIISOSTEARATE	Peg15 Glyceryl Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL TRIOLEATE	Peg15 Glyceryl Trioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 GLYCERYL TRISTEARATE	Peg15 Glyceryl Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 HYDROGENATED CASTOR OIL ISOSTEARATE	PEG-15 HYDROGENATED CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-15 HYDROGENATED CASTOR OIL ISOSTEARATE	Peg15 Hydrogenated Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 HYDROGENATED CASTOR OIL TRIISOSTEARATE	PEG-15 HYDROGENATED CASTOR OIL TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-15 HYDROGENATED CASTOR OIL TRIISOSTEARATE	Peg15 Hydrogenated Castor Oil Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 HYDROGENATED LANOLIN	PEG-15 HYDROGENATED LANOLIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-15 HYDROGENATED LANOLIN	Peg15 Hydrogenated Lanolin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 HYDROGENATED TALLOW AMINE	PEG-15 HYDROGENATED TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-15 HYDROGENATED TALLOW AMINE	Peg15 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 HYDROGENATED TALLOWMONIUM CHLORIDE	Peg15 Hydrogenated Tallowmonium Chloride	68187-69 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 HYDROXYSTEARATE	Peg15 Hydroxystearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 JOJOBA ACID	Peg15 Jojoba Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 JOJOBA ALCOHOL	PEG15 JOJOBA ALCOHOL	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 LANOLATE	Peg15 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 LAURATE	Peg15 Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 OCTADECYL AMINE	Peg15 Octadecyl Amine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 OLEAMINE	PEG-15 OLEAMINE	26635-93 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-15 OLEAMINE	Peg15 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 OLEAMMONIUM CHLORIDE	Peg15 Oleammonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 OLEATE	Peg15 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-15 PENTAERYTHRITYL TETRA(LAURETH-6 CARBOXYLATE)	Peg15 Pentaerythrityl Tetra(Laureth6 Carboxylate)	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 PHYTOSTEROL	Peg15 Phytosterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 SOYAMIDE/ IPDI COPOLYMER	Peg15 Soyamide/ Ipdi Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 SOYAMINE	PEG-15 SOYAMINE	61791-24- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-15 SOYAMINE	Peg15 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARAMIDE	PEG-15 STEARAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-15 STEARAMIDE	Peg15 Stearamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARAMINE	PEG-15 STEARAMINE	9003-93- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-15 STEARAMINE	Peg15 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARATE	Peg15 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARMONIUM CHLORIDE	Peg15 Stearmonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARYL ETHER	Peg15 Stearyl Ether	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARYL ETHER	STEARETH100	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-15 STEARYL ETHER	STEARETH16	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARYL ETHER	STEARETH2	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARYL ETHER	STEARETH20	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARYL ETHER	STEARETH21	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 STEARYL ETHER	STEARETH4	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 TALLATE	Peg15 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 TALLOW AMINE	PEG-15 TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-15 TALLOW AMINE	Peg15 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 TALLOW AMINOPROPYLAMINE	Peg15 Tallow Aminopropylamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15 TALLOW POLYAMINE	Peg15 Tallow Polyamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15/ LAURYL DIMETHICONE CROSSPOLYMER	PEG-15/ LAURYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-15/ LAURYL DIMETHICONE CROSSPOLYMER	PEG-15/ LAURYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

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PEG-15/ LAURYL DIMETHICONE CROSSPOLYMER	PEG15/ LAURYL DIMETHICONE CROSSPOLYMER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-15/ LAURYL DIMETHICONE CROSSPOLYMER	PEG15/ LAURYL DIMETHICONE CROSSPOLYMER	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
PEG-150	PEG150	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150	PEG150	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
PEG-150 BEHENTRIMONIUM CHLORIDE	Peg150 Behentrimonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 DIBEHENATE	PEG-150 DIBEHENATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-150 DIBEHENATE	Peg150 Dibehenate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 DILAURATE	PEG150 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 DIOLEATE	PEG-150 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-150 DIOLEATE	Peg150 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 DISTEARATE	PEG150 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 LANOLIN	PEG150 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 LAURATE	PEG150 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 LAURATE	PEG150 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	

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PEG-150 OLEATE	Peg150 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 PENTAERYTHRITYL TETRASODIUM	Peg150 Pentaerythrityl Tetrasodium	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 PENTAERYTHRITYL TETRASTEARATE	PEG-150 PENTAERYTHRITYL TETRASTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-150 PENTAERYTHRITYL TETRASTEARATE	Peg150 Pentaerythrityl Tetrastearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 SMDI COPOLYMER	Peg150 Smdi Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 STEARATE	PEG150 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150 STEARATE	PEG150 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
PEG-150/ DECYL ALCOHOL/ SMDI COPOLYMER	Peg150/ Decyl Alcohol/ Smdi Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-150/ STEARYL ALCOHOL/ SMDI COPOLYMER	Peg150/ Stearyl Alcohol/ Smdi Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-1500	Peg1500	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16	PEG16	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16 CASTOR OIL	PEG-16 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-16 CASTOR OIL	Peg16 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-16 CETYL/OLEYL/STEARYL/LA NILIN ALCOHOL ETHER	Peg16 Cetyl/oleyl/stearyl/lanilin Alcohol Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16 DILAURATE	PEG-16 DILAURATE	9005-02- 1	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-16 DILAURATE	Peg16 Dilaurate	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16 HYDROGENATED CASTOR OIL	PEG-16 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-16 HYDROGENATED CASTOR OIL	Peg16 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16 HYDROGENATED COTTENSEED OIL	Peg16 Hydrogenated Cottenseed Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16 MACADAMIA GLYCERIDES	PEG-16 MACADAMIA GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-16 MACADAMIA GLYCERIDES	Peg16 Macadamia Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16 OLEATE	Peg16 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16 SOY STEROL	PEG16 SOY STEROL	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-16 SOY STEROL	PEG16 SOY STEROL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
PEG-16 TALLATE	Peg16 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-160 SORBITAN TRIISOSTEARATE	PEG160 SORBITAN TRIISOSTEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
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PEG-160M	PEG160M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-17 DIMETHICONE	PEG-17 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-17 DIMETHICONE	PEG17 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-175 DIISOSTEARATE	PEG-175 DIISOSTEARATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-175 DIISOSTEARATE	Peg175 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-175 DISTEARATE	PEG175 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18	PEG18	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18 CASTOR OIL	Peg18 Castor Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18 CASTOR OIL DIOLEATE	PEG-18 CASTOR OIL DIOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-18 CASTOR OIL DIOLEATE	Peg18 Castor Oil Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18 GLYCERYL OLEATE/ COCOATE	Peg18 Glyceryl Oleate/ Cocoate	999999-1 9-8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18 PALM GLYCERIDES	PEG-18 PALM GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-18 PALM GLYCERIDES	Peg18 Palm Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-18 PALMITATE	Peg18 Palmitate	9004-94- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18 PALMITATE	Peg20 Palmitate	9004-94- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18 PALMITATE	Peg6 Palmitate	9004-94- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18 SORBITAN TRIOLEATE	PEG18 SORBITAN TRIOLEATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-18 STEARATE	Peg18 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-180	PEG180	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-180	PEG180	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
PEG-180 BISPOLYLACTIDE	Peg180 Bispolylactide	131151-0 9-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-180 STEARAMIDOPROPYL DIMETHYLAMINE	Peg180 Stearamidopropyl Dimethylamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-180/LAURETH-50/TMMG COPOLYMER	Peg180/laureth50/tmmg Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-180/OCTOXYNOL-40/TM MG COPOLYMER	Peg180/octoxynol40/tmmg Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-190 DISTEARATE	PEG-190 DISTEARATE	9005-08- 7	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-190 DISTEARATE	Peg190 Distearate	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-192 APRICOT KERNEL GLYCERIDES	PEG-192 APRICOT KERNEL GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-192 APRICOT KERNEL GLYCERIDES	Peg192 Apricot Kernel Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2	Peg2	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 BENZYL ETHER	Peg2 Benzyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 CASTOR OIL	PEG-2 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 CASTOR OIL	Peg2 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 COCAMIDE	PEG-2 COCAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 COCAMIDE	Peg2 Cocamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 COCAMINE	PEG2 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 COCO-BENZONIUM CHLORIDE	Peg2 CocoBenzonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 COCOMONIUM CHLORIDE	Peg2 Cocomonium Chloride	70750-47 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 DIETHYLHEXANOATE	Peg2 Diethylhexanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-2 DIISONONANOATE	PEG2 DIISONONANOATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 DIISOSTEARATE	PEG-2 DIISOSTEARATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 DIISOSTEARATE	Peg2 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 DILAURATE	PEG2 DILAURATE	6281-04- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 DIMEADOWFOAMAMDOETH YLMONIUM METHOSULFATE	Peg2 Dimeadowfoamamdoethyl monium Methosulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 DIMEADOWFOAMAMIDOETH YLMONIUM METHOSULFATE	Peg2 Dimeadowfoamamidoethyl monium Methosulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 DIOLEATE	PEG-2 DIOLEATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 DIOLEATE	Peg2 Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 DIROSINATE	Peg2 Dirosinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 DISTEARATE	PEG2 DISTEARATE	109-30-8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 HYDROGENATED CASTOR OIL	PEG-2 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 HYDROGENATED CASTOR OIL	Peg2 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 HYDROGENATED TALLOW AMINE	PEG-2 HYDROGENATED TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-2 HYDROGENATED TALLOW AMINE	Peg2 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 ISOSTEARATE	Peg2 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 LAURAMIDE	PEG-2 LAURAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 LAURAMIDE	Peg2 Lauramide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 LAURAMINE	PEG-2 LAURAMINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 LAURAMINE	Peg2 Lauramine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 LAURATE	PEG2 LAURATE	141-20-8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 LAURATE	PEG2 LAURATE	141-20-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-2 LAURATE SE	PEG2 LAURATE SE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 LAURATE SE	PEG2 LAURATE SE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-2 MILK SOLIDS	Peg2 Milk Solids	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 MYRISTYL ETHER PROPIONATE	Peg2 Myristyl Ether Propionate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 OLEAMINE	PEG-2 OLEAMINE	25307-17 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 OLEAMINE	Peg2 Oleamine	25307-17 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-2 OLEAMINE HYDROFLUORIDE	PEG2 OLEAMINE HYDROFLUORIDE	207916-3 3-4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 OLEAMMONIUM CHLORIDE	Peg2 Oleammonium Chloride	18448-65 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 OLEAMONIUM CHLORIDE	Peg2 Oleamonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 OLEATE	Peg2 Oleate	106-12-7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 OLEATE SE	Peg2 Oleate Se	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 OLIVE GLYCERIDES	PEG-2 OLIVE GLYCERIDES	103819-4 6-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 OLIVE GLYCERIDES	Peg2 Olive Glycerides	103819-4 6-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 PALMITAMIDE	Peg2 Palmitamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 RAPESEEDAMINE	PEG-2 RAPESEEDAMINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 RAPESEEDAMINE	Peg2 Rapeseedamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 RICINOLEATE	Peg2 Ricinoleate	5401-17- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 SORBITAN ISOSTEARATE	PEG2 SORBITAN ISOSTEARATE	66794-58 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-2 SORBITAN ISOSTEARATE	PEG5 SORBITAN ISOSTEARATE	66794-58 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 SORBITAN TRIOLEATE	PEG-2 SORBITAN TRIOLEATE	9005-70- 3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 SORBITAN TRIOLEATE	Peg2 Sorbitan Trioleate	9005-70- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 SOYAMINE	PEG-2 SOYAMINE	61791-24- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 SOYAMINE	Peg2 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 STEARAMIDE CARBOXYLIC ACID	Peg2 Stearamide Carboxylic Acid	90453-59 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 STEARAMIDE CARBOXYLIC ACID	Peg9 Stearamide Carboxylic Acid	90453-59 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 STEARAMINE	PEG-2 STEARAMINE	9003-93- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 STEARAMINE	Peg2 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 STEARATE	PEG2 STEARATE	106-11-6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 STEARATE	PEG2 STEARATE	106-11-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	
PEG-2 STEARATE SE	Peg2 Stearate Se	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 STEARMONIUM CHLORIDE	Peg2 Stearmonium Chloride	60687-87 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-2 SUNFLOWER GLYCERIDES	PEG-2 SUNFLOWER GLYCERIDES	180254-5 2-8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 SUNFLOWER GLYCERIDES	Peg2 Sunflower Glycerides	180254-5 2-8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 TALLOW AMINE	PEG-2 TALLOW AMINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 TALLOW AMINE	Peg2 Tallow Amine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2 TALLOWAMIDE DEA	PEG-2 TALLOWAMIDE DEA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-2 TALLOWAMIDE DEA	Peg2 Tallowamide Dea	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20	PEG20	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 ALMOND GLYCERIDES	PEG-20 ALMOND GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 ALMOND GLYCERIDES	Peg20 Almond Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 BEESWAX	Peg20 Beeswax	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 CARAUBA WAX	Peg20 Carauba Wax	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 CARBOMER	Peg20 Carbomer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 CASTOR OIL	PEG-20 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 CASTOR OIL	Peg20 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-20 CETEARYL ALCOHOL	Peg20 Cetearyl Alcohol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 COCAMIDE	PEG-20 COCAMIDE	61791-08 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 COCAMIDE	Peg20 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 COCAMIDE MEA	PEG-20 COCAMIDE MEA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 COCAMIDE MEA	Peg20 Cocamide Mea	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 COCAMINE	PEG20 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 CORN GLYCERIDES	PEG-20 CORN GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 CORN GLYCERIDES	Peg20 Corn Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 DILAURATE	PEG20 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 DIOLEATE	PEG-20 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 DIOLEATE	Peg20 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 DIRICINOLEATE	Peg20 Diricinoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 DISTEARATE	PEG20 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-20 ESTERS	Peg20 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 EVENING PRIMROSE GLYCERIDES	PEG-20 EVENING PRIMROSE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 EVENING PRIMROSE GLYCERIDES	Peg20 Evening Primrose Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERIDES	Peg20 Glycerides	999999-8 2-5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERYL ISOSTEARATE	Peg20 Glyceryl Isostearate	68958-58 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERYL LAURATE	Peg20 Glyceryl Laurate	51248-32 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERYL MONOSTEARATE	Peg20 Glyceryl Monostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERYL OLEATE	Peg20 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERYL RICINOLEATE	Peg20 Glyceryl Ricinoleate	51142-51- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERYL STEARATE	Peg20 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERYL TRIISOSTEARATE	Peg20 Glyceryl Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 GLYCERYL TRISTEARATE	Peg20 Glyceryl Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-20 HEXADECENYLSUCCINATE	Peg20 Hexadecenylsuccinate	178254-0 4-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED CASTOR OIL	PEG-20 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 HYDROGENATED CASTOR OIL	Peg20 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED CASTOR OIL ISOSTEARATE	PEG-20 HYDROGENATED CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 HYDROGENATED CASTOR OIL ISOSTEARATE	Peg20 Hydrogenated Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED CASTOR OIL LAURATE	PEG-20 HYDROGENATED CASTOR OIL LAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 HYDROGENATED CASTOR OIL LAURATE	Peg20 Hydrogenated Castor Oil Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	PEG-20 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	Peg20 Hydrogenated Castor Oil Pca Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED CASTOR OIL TRIISOSTEARATE	PEG-20 HYDROGENATED CASTOR OIL TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 HYDROGENATED CASTOR OIL TRIISOSTEARATE	Peg20 Hydrogenated Castor Oil Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED LANOLIN	PEG10 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED LANOLIN	PEG20 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED LANOLIN	PEG20 HYDROGENATED LANOLIN	68648-27 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	

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PEG-20 HYDROGENATED LANOLIN	PEG24 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED LANOLIN	PEG30 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED LANOLIN	PEG5 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED LANOLIN	PEG70 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED PALM GLYCERIDES	PEG-20 HYDROGENATED PALM GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 HYDROGENATED PALM GLYCERIDES	Peg20 Hydrogenated Palm Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 HYDROGENATED TALLOW AMINE	PEG-20 HYDROGENATED TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 HYDROGENATED TALLOW AMINE	Peg20 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 ISOSTEARATE	Peg20 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 LANOLATE	Peg20 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 LANOLIN	PEG20 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 LAURATE	PEG20 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 LAURATE	PEG20 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	

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PEG-20 MANNITAN LAURATE	Peg20 Mannitan Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 METHYL GLUCETH-20 SESQUISTEARATE	Peg20 Methyl Gluceth20 Sesquistearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 METHYL GLUCOSE	Peg20 Methyl Glucose	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 METHYL GLUCOSE DIOLEATE	Peg20 Methyl Glucose Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 METHYL GLUCOSE DISTEARATE	PEG20 methyl glucose distearate	119831-1 9-5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 METHYL GLUCOSE SESQUICAPRYLATE/SESQUI CAPRATE	PEG20 methyl glucose sesquicaprylate/sesquicapr ate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 METHYL GLUCOSE SESQUILAURATE	PEG20 methyl glucose sesquilaurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 METHYL GLUCOSE SESQUISTEARATE	PEG20 methyl glucose sesquistearate	68389-70 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 MYRISTATE	Peg20 Myristate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 OLEAMINE	PEG-20 OLEAMINE	26635-93 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 OLEAMINE	Peg20 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 OLEATE	Peg20 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-20 PALMITATE	Peg20 Palmitate	9004-94- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 PHYTOSTEROL	Peg20 Phytosterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 SORBITAN BEESWAX	PEG-20 SORBITAN BEESWAX	8051-73- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 SORBITAN BEESWAX	PEG20 SORBITAN BEESWAX	8051-73- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 SORBITAN BEESWAX	PEG20 SORBITAN BEESWAX	8051-73- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 11%. Additionally, CIR has restricted its use in products meant to be applied on damaged skin if the ingredient is formulated with PEG6, PEG20 or PEG75.	
PEG-20 SORBITAN COCOATE	PEG20 SORBITAN COCOATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 SORBITAN ISOSTEARATE	PEG20 SORBITAN ISOSTEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 SORBITAN LANOLATE	Peg20 Sorbitan Lanolate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 SORBITAN OLEATE	PEG-20 SORBITAN OLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 SORBITAN OLEATE	Peg20 Sorbitan Oleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 SORBITAN TETRAOLEATE	PEG20 SORBITAN TETRAOLEATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 SORBITAN TRIISOSTEARATE	PEG20 SORBITAN TRIISOSTEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-20 SOY STEROL	Peg20 Soy Sterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 STEARATE	PEG20 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 STEARATE	PEG20 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	
PEG-20 TALLATE	Peg20 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 TALLOW AMINE	PEG-20 TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 TALLOW AMINE	Peg20 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 TALLOW AMMONIUM ETHOSULFATE	Peg20 Tallow Ammonium Ethosulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 TALLOWATE	Peg20 Tallowate	68153-64 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20 TSUBAKIATE GLYCERIDES	PEG-20 TSUBAKIATE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-20 TSUBAKIATE GLYCERIDES	Peg20 Tsubakiate Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20-PPG-10 GLYCERYL STEARATE	Peg20Ppg10 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200	PEG200	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 CASTOR OIL	PEG-200 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-200 CASTOR OIL	Peg200 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 GLYCERYL STEARATE	Peg200 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 GLYCERYL TALLOWATE	Peg200 Glyceryl Tallowate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 HYDROGENATED CASTOR OIL	PEG-200 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-200 HYDROGENATED CASTOR OIL	Peg200 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 HYDROGENATED GLYCERYL	Peg200 Hydrogenated Glyceryl	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 HYDROGENATED GLYCERYL PALMATE	Peg200 Hydrogenated Glyceryl Palmate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 HYDROGENATED GLYCERYL PALMITATE	Peg200 Hydrogenated Glyceryl Palmitate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 LAURATE	PEG200 LAURATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 LAURATE	PEG200 LAURATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-200 METHYLGLUCOSE DIOLEATE	Peg200 Methylglucose Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-200 TALLOWATE	Peg200 Tallowate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-200 TRIHYDROXYSTEARIN	Peg200 Trihydroxystearin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20M	PEG20M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-20M	PEG20M	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
PEG-22 TALLOW AMINE	PEG-22 TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-22 TALLOW AMINE	Peg22 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-22/DODECYL GLYCOL COPOLYMER	Peg22/dodecyl Glycol Copolymer	78336-31- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-220	PEG220	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-220	PEG220	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
PEG-23 GLYCERYL DISTEARATE	Peg23 Glyceryl Distearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-23 GLYCERYL LAURATE	Peg23 Glyceryl Laurate	51248-32 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-23 HEXADECYLEICOSANOATE	Peg23 Hexadecyleicosanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-23 OCTYLDODECANOATE	Peg23 Octyldodecanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-23 OLEATE	Peg23 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-23 OLIVATE	Peg23 Olivate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-23 STEARATE	Peg23 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-23M	PEG23M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-23M	PEG23M	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.05%.	
PEG-24 GLYCERYL STEARATE	Peg24 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-24 HYDROGENATED LANOLIN	PEG24 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-24 HYDROGENATED LANOLIN	PEG24 HYDROGENATED LANOLIN	68648-27 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%.	
PEG-24 LANOLIN	PEG24 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-240	PEG240	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-240	PEG240	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
PEG-240/HDI COPOLYMER BIS-DECYLTETRADECETH-20 ETHER	PEG-240/HDI COPOLYMER BIS-DECYLTETRADECETH-2 0 ETHER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-240/HDI COPOLYMER BIS-DECYLTETRADECETH-20 ETHER	Peg240/hdi Copolymer BisDecyltetradeceth20 Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 CASTOR OIL	PEG-25 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-25 CASTOR OIL	Peg25 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-25 DIETHYLMONIUM CHLORIDE	Peg25 Diethylmonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 GLYCERYL ISOSTEARATE	Peg25 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 GLYCERYL OLEATE	Peg25 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 GLYCERYL STEARATE	Peg25 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 GLYCERYL TRIOLEATE	Peg25 Glyceryl Trioleate	68958-64 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 HYDROGENATED CASTOR OIL	PEG-25 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-25 HYDROGENATED CASTOR OIL	Peg25 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 LANOLIN	PEG25 LANOLIN	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 METHYL GLUCOSE ETHER	Peg25 Methyl Glucose Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 MORINGA GLYCERIDES	PEG-25 MORINGA GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-25 MORINGA GLYCERIDES	Peg25 Moringa Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 OLEAMINE	PEG-25 OLEAMINE	26635-93 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-25 OLEAMINE	Peg25 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-25 PABA	Secondary and Tertiary Aromatic Amines (Aniline)	113010-5 2-9	As reported by the International Agency for Research on Cancer (IARC), primary aromatic amines generally form harmful metabolites with the potential to cause cancer. Therefore, non-primary aromatic amine ingredients should provide testing demonstrating no aniline is present.	X
PEG-25 PABA	Secondary and Tertiary Aromatic Amines (Nitrosamine)	113010-5 2-9	The European Commission restricts the usage and purity of this ingredient: the maximum nitrosamine content cannot exceed 50 microgram/kg.	X
PEG-25 PHYTOSTEROL	Peg25 Phytosterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 PROPYLENE GLYCOL STEARATE	PEG25 PROPYLENE GLYCOL STEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 PROPYLENE GLYCOL STEARATE	PEG25 PROPYLENE GLYCOL STEARATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
PEG-25 SOY STEROL	PEG25 SOY STEROL	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 SOY STEROL	PEG25 SOY STEROL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
PEG-25 STEARATE	Peg25 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 TALLOW AMINE	PEG-25 TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-25 TALLOW AMINE	Peg25 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-25 TALLOW ETHER	Peg25 Tallow Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-250	Peg250	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-250 DISTEARATE	PEG-250 DISTEARATE	9005-08- 7	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-250 DISTEARATE	Peg250 Distearate	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-25M	PEG25M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-26 CASTOR OIL	PEG-26 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-26 CASTOR OIL	Peg26 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-26 JOJOBA ACID	Peg26 Jojoba Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-26 JOJOBA ALCOHOL	PEG26 JOJOBA ALCOHOL	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-26-PPG-30 PHOSPHATE	Peg26Ppg30 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-27 LANOLIN	PEG27 LANOLIN	8051-81- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-27 LANOLIN ALCOHOL	Peg27 Lanolin Alcohol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-28 GLYCERYL TALLOWATE	Peg28 Glyceryl Tallowate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-29 CASTOR OIL	PEG-29 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-29 CASTOR OIL	Peg29 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2M	PEG2M	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-2M	PEG2M	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	

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PEG-3 BUTYLENE GLYCOL LAURATE	Peg3 Butylene Glycol Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 CASTOR OIL	PEG-3 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 CASTOR OIL	Peg3 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 COCAMIDE	PEG-3 COCAMIDE	61791-08 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 COCAMIDE	Peg3 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 COCAMIDE DEA	PEG-3 COCAMIDE DEA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 COCAMIDE DEA	Peg3 Cocamide Dea	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 COCAMINE	PEG3 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DICAPRYLATE/CAPRATE	PEG-3 DICAPRYLATE/CAPRATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 DICAPRYLATE/CAPRATE	Peg3 Dicaprylate/caprate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DIETHYLENETRIAMINE DIPALMAMIDE	Peg3 Diethylenetriamine Dipalmamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DIISOSTEARATE	PEG-3 DIISOSTEARATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 DIISOSTEARATE	Peg3 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DIMETHICONE	PEG3 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-3 DIOLEATE	PEG-3 DIOLEATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 DIOLEATE	Peg3 Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DIOLEOYLAMIDOETHYLMON IUM METHOSULFATE	Peg3 Dioleoylamidoethylmonium Methosulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DIPALMITATE	PEG-3 DIPALMITATE	32628-06 -1	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 DIPALMITATE	Peg3 Dipalmitate	32628-06 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DIROSINATE	Peg3 Dirosinate	8050-25- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DISOYOYLAMIDOETHYLMON IUM METHOSULFATE	Peg3 Disoyoylamidoethylmonium Methosulfate	68605-27 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DISTEARATE	PEG3 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 DISTEAROYLAMIDOETHYLM ONIUM METHOSULFATE	Peg3 Distearoylamidoethylmoniu m Methosulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 GLYCERYL COCOATE	PEG-3 GLYCERYL COCOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 GLYCERYL COCOATE	Peg3 Glyceryl Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 GLYCERYL DISTEARATE	Peg3 Glyceryl Distearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 GLYCERYL ISOSTEARATE	Peg3 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-3 GLYCERYL TRIISOSTEARATE	Peg3 Glyceryl Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 GLYCERYL TRISTEARATE	Peg3 Glyceryl Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 ISOSTEARATE	Peg3 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 LANOLATE	Peg3 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 LAURAMIDE	PEG-3 LAURAMIDE	26635-75 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 LAURAMIDE	Peg3 Lauramide	26635-75 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 LAURAMINE OXIDE	Peg3 Lauramine Oxide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 METHYL ETHER	PEG3 METHYL ETHER	112-35-6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 OLEAMIDE	PEG-3 OLEAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 OLEAMIDE	Peg3 Oleamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 OLEATE	Peg3 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 PPG-20 SUCCINATE	Peg3 Ppg20 Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-3 RAPESEED AMINOPROPYLAMINE	Peg3 Rapeseed Aminopropylamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 SORBITAN OLEATE	PEG3 SORBITAN OLEATE	9005-65- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 SORBITAN STEARATE	PEG3 SORBITAN STEARATE	9005-67- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 SORBITAN TRISTEARATE	PEG-3 SORBITAN TRISTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-3 SORBITAN TRISTEARATE	Peg3 Sorbitan Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 STEARATE	Peg3 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 TALLOW AMINOPROPYLAMINE	Peg3 Tallow Aminopropylamine	90367-27 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 TALLOW PROPYLENEDIMONIUM DIMETHOSULFATE	Peg3 Tallow Propylenedimonium Dimethosulfate	93572-63- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 TRIMETHYLOLPROPANE TRIISOSTEARATE	Peg3 Trimethylolpropane Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3 TRIMETHYLOLPROPANE TRISTEARATE	Peg3 Trimethylolpropane Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3-BUTETH-5	Peg3Buteth5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3/PPG-2 GLYCERYL/SORBITOL HYDROXYSTEARATE/ISOSTE ARATE	Peg3/ppg2 Glyceryl/sorbitol Hydroxystearate/isosteara te	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-30	Peg30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 CASTOR OIL	PEG30 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 DIPOLYHYDROXYSTEARATE	Peg30 Dipolyhydroxystearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 GLYCERYL COCOATE	PEG30 GLYCERYL COCOATE	68201-46 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 GLYCERYL ISOSTEARATE	Peg30 Glyceryl Isostearate	689-58-7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 GLYCERYL LAURATE	Peg30 Glyceryl Laurate	51248-32 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 GLYCERYL OLEATE	Peg30 Glyceryl Oleate	68889-49 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 GLYCERYL STEARATE	Peg30 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 GLYCERYL SULFATE	Peg30 Glyceryl Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 GLYCERYL TRIISOSTEARATE	Peg30 Glyceryl Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 HYDROGENATED CASTOR OIL	PEG30 HYDROGENATED CASTOR OIL	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 HYDROGENATED CASTOR OIL ISOSTEARATE	PEG-30 HYDROGENATED CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-30 HYDROGENATED CASTOR OIL ISOSTEARATE	Peg30 Hydrogenated Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 HYDROGENATED CASTOR OIL LAURATE	PEG-30 HYDROGENATED CASTOR OIL LAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-30 HYDROGENATED CASTOR OIL LAURATE	Peg30 Hydrogenated Castor Oil Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	PEG-30 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-30 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	Peg30 Hydrogenated Castor Oil Pca Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 HYDROGENATED CASTOR OIL TRIISOSTEARATE	PEG-30 HYDROGENATED CASTOR OIL TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-30 HYDROGENATED CASTOR OIL TRIISOSTEARATE	Peg30 Hydrogenated Castor Oil Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 HYDROGENATED LANOLIN	PEG30 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 HYDROGENATED TALLOW AMINE	PEG-30 HYDROGENATED TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-30 HYDROGENATED TALLOW AMINE	Peg30 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 ISOSTEARATE	Peg30 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 JOJOBA OIL	Peg30 Jojoba Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 LANOLIN	PEG30 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 LANOLIN	PEG30 LANOLIN	61790-81 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	

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PEG-30 OLEAMINE	PEG-30 OLEAMINE	26635-93 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-30 OLEAMINE	Peg30 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 PHYTOSTEROL	Peg30 Phytosterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 POLYHYDROXYSTEARATE	Peg30 Polyhydroxystearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 SORBITAN BEESWAX	PEG-30 SORBITAN BEESWAX	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-30 SORBITAN BEESWAX	Peg30 Sorbitan Beeswax	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 SORBITAN TETRAOLEATE	PEG30 SORBITAN TETRAOLEATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 SOY STEROL	PEG30 SOY STEROL	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 STEARATE	PEG30 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-30 TALLOW AMINE	PEG-30 TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-30 TALLOW AMINE	Peg30 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-300	Peg300	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32	PEG32	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-32	PEG32	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
PEG-32 DILAURATE	PEG32 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32 DIOLEATE	PEG-32 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-32 DIOLEATE	Peg32 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32 DISTEARATE	PEG32 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32 LAURATE	PEG32 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32 LAURATE	PEG32 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-32 METHYL ETHER DIMETHICONE	PEG-32 METHYL ETHER DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-32 METHYL ETHER DIMETHICONE	PEG-32 METHYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-32 METHYL ETHER DIMETHICONE	Peg32 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32 OLEATE	Peg32 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32 PVP	Peg32 Pvp	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32 SODIUM CHLORIDE	Peg32 Sodium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-32 STEARATE	PEG32 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-32 STEARATE	PEG32 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
PEG-33	PEG33	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-33 CASTOR OIL	PEG33 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-3350	Peg3350	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-35 ALMOND GLYCERIDES	PEG-35 ALMOND GLYCERIDES	124046-5 0-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-35 ALMOND GLYCERIDES	Peg35 Almond Glycerides	124046-5 0-0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-35 CASTOR OIL	PEG35 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-35 HYDROGENATED CASTOR OIL	PEG-35 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-35 HYDROGENATED CASTOR OIL	Peg35 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-35 LANOLIN	PEG35 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-35 SOY GLYCERIDES	PEG-35 SOY GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-35 SOY GLYCERIDES	Peg35 Soy Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-35 STEARATE	Peg35 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-350	PEG350	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-350	PEG350	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
PEG-36 CASTOR OIL	PEG36 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-36 OLEATE	Peg36 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-36 STEARATE	Peg36 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4	PEG4	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 CAPRYLIC/CAPRIC GLYCERIDES	PEG-4 CAPRYLIC/CAPRIC GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 CAPRYLIC/CAPRIC GLYCERIDES	Peg4 Caprylic/capric Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 CASTOR OIL	PEG-4 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 CASTOR OIL	PEG4 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 COCAMIDE	PEG-4 COCAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 COCAMIDE	Peg4 Cocamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DIHEPTANOATE	PEG-4 DIHEPTANOATE	70729-68 -9	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-4 DIHEPTANOATE	Peg4 Diheptanoate	70729-68 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DIISOSTEARATE	PEG-4 DIISOSTEARATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 DIISOSTEARATE	Peg4 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DILAURATE	PEG4 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DIMETHACRYLATE	PEG4 DIMETHACRYLATE	109-17-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DIOLEATE	PEG-4 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 DIOLEATE	Peg4 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DISTEARATE	PEG4 DISTEARATE	142-20-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DISTEARYL ETHER	PEG4 DISTEARYL ETHER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DISTEARYLETHONIUM ETHOSULFATE	Peg4 Distearylethonium Ethosulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 DITALLOW ETHER	PEG4 DITALLOW ETHER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 ETHYLHEXANOATE	Peg4 Ethylhexanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-4 GLYCERYL DISTEARATE	Peg4 Glyceryl Distearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 GLYCERYL TRISTEARATE	Peg4 Glyceryl Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 ISOSTEARATE	Peg4 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 LANOLATE	Peg4 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 LAURATE	PEG4 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 LAURATE	PEG4 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-4 METHYL ETHER	PEG4 METHYL ETHER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 MONTANATE	Peg4 Montanate	68476-04 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 OLEAMIDE	PEG-4 OLEAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 OLEAMIDE	Peg4 Oleamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 OLEATE	Peg4 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 OLIVATE	Peg4 Olivate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-4 POLYGLYCERYL-2 DISTEARATE	Peg4 Polyglyceryl2 Distearate	72828-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 POLYGLYCERYL-2 STEARATE	Peg4 Polyglyceryl2 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 PROLINE LINOLEATE	Peg4 Proline Linoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 PROLINE LINOLENATE	Peg4 Proline Linolenate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 RAPESEEDAMIDE	PEG-4 RAPESEEDAMIDE	85536-23 -8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 9.3% and when formulated to be non-irritating.	
PEG-4 RAPESEEDAMIDE	PEG4 RAPESEEDAMIDE	85536-23 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 SORBITAN LAURATE	Peg4 Sorbitan Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 SORBITAN STEARATE	PEG-4 SORBITAN STEARATE	9005-67- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 SORBITAN STEARATE	Peg4 Sorbitan Stearate	9005-67- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 SORBITAN TRIISOSTEARATE	PEG-4 SORBITAN TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 SORBITAN TRIISOSTEARATE	Peg4 Sorbitan Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 STEARAMIDE	PEG-4 STEARAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-4 STEARAMIDE	Peg4 Stearamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-4 STEARATE	Peg4 Stearate	106-07-0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 TALLATE	Peg4 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 TRIETHANOLAMINE	Peg4 Triethanolamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4 TRIMETHYLOLPROPANE DISTEARATE	Peg4 Trimethylolpropane Distearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-4-PPG-7 C13/C15 ALCOHOL	PEG4PPG7 C13/C15 Alcohol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40	PEG40	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40	PEG40	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
PEG-40 ALMOND GLYCERIDES	Peg40 Almond Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 BUTYLOCTANOL WHEAT GERM ESTERS	Peg40 Butyloctanol Wheat Germ Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 CASTOR OIL	PEG40 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 GLYCERYL COCOATE	PEG40 GLYCERYL COCOATE	68201-46 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 GLYCERYL ISOSTEARATE	Peg40 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-40 GLYCERYL STEARATE	Peg40 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 GLYCERYL TRIISOSTEARATE	Peg40 Glyceryl Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 HYDROGENATED CASTOR EXTRACT	Peg40 Hydrogenated Castor Extract	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 HYDROGENATED CASTOR OIL	Peg60 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 HYDROGENATED CASTOR OIL ISOSTEARATE	PEG-40 HYDROGENATED CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-40 HYDROGENATED CASTOR OIL ISOSTEARATE	Peg40 Hydrogenated Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 HYDROGENATED CASTOR OIL LAURATE	PEG-40 HYDROGENATED CASTOR OIL LAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-40 HYDROGENATED CASTOR OIL LAURATE	Peg40 Hydrogenated Castor Oil Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	PEG-40 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-40 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	Peg40 Hydrogenated Castor Oil Pca Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 HYDROGENATED CASTOR OIL TRIISOSTEARATE	PEG-40 HYDROGENATED CASTOR OIL TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-40 HYDROGENATED CASTOR OIL TRIISOSTEARATE	Peg40 Hydrogenated Castor Oil Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 HYDROGENATED LANOLIN	PEG-40 HYDROGENATED LANOLIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-40 HYDROGENATED LANOLIN	Peg40 Hydrogenated Lanolin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
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PEG-40 HYDROGENATED TALLOW AMINE	PEG-40 HYDROGENATED TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-40 HYDROGENATED TALLOW AMINE	Peg40 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 ISOSTEARATE	Peg40 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 JOJOBA ACID	Peg40 Jojoba Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 JOJOBA ALCOHOL	PEG40 JOJOBA ALCOHOL	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG10 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG100 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG150 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG20 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG24 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG30 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG35 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-40 LANOLIN	PEG40 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG40 LANOLIN	61790-81 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.25%.	
PEG-40 LANOLIN	PEG5 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG50 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG55 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG60 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 LANOLIN	PEG85 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 OLIVE GLYCERIDES	PEG-40 OLIVE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-40 OLIVE GLYCERIDES	Peg40 Olive Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 RICINOLEAMIDE	Peg40 Ricinoleamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SORBITAN DIISOSTEARATE	PEG40 SORBITAN DIISOSTEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SORBITAN GLYCOL	Peg40 Sorbitan Glycol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-40 SORBITAN LANOLATE	PEG40 SORBITAN LANOLATE	8036-77- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SORBITAN LAURATE	PEG40 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SORBITAN OLEATE	PEG-40 SORBITAN OLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-40 SORBITAN OLEATE	Peg40 Sorbitan Oleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SORBITAN PERISOSTEARATE	PEG40 SORBITAN PERISOSTEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SORBITAN PEROLEATE	PEG-40 SORBITAN PEROLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-40 SORBITAN PEROLEATE	Peg40 Sorbitan Peroleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SORBITAN STEARATE	PEG40 SORBITAN STEARATE	9005-67- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SORBITAN TETRAOLEATE	PEG40 SORBITAN TETRAOLEATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 SOY STEROL	PEG40 SOY STEROL	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 STEARATE	PEG40 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-40 STEARATE	PEG40 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	

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PEG-40/DODECYL GLYCOL COPOLYMER	Peg40/dodecyl Glycol Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG115M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG135	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG14	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG150	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG16	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG160M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG18	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG180	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG20	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG20M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-400	PEG220	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG23M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG240	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG25M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG350	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG40	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG400	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG400	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
PEG-400	PEG45	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG45M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG500	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG55	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-400	PEG60	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG65M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG75	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG800	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG90	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG90M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PEG9M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	PegXx	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400	Polyethylene Glycol	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400 DIOLEATE	Peg400 Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-400 LAURATE	Peg400 Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-42 BABASSU GLYCERIDES	PEG-42 BABASSU GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-42 BABASSU GLYCERIDES	Peg42 Babassu Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-42 MUSHROOM GLYCERIDES	PEG-42 MUSHROOM GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-42 MUSHROOM GLYCERIDES	Peg42 Mushroom Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-44 CASTOR OIL	PEG-44 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-44 CASTOR OIL	Peg44 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-44 SORBITAN LAURATE	PEG44 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45	PEG45	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45 HYDROGENATED CASTOR OIL	PEG-45 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-45 HYDROGENATED CASTOR OIL	Peg45 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45 PALM KERNEL GLYCERIDES	PEG-45 PALM KERNEL GLYCERIDES	124046-5 2-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-45 PALM KERNEL GLYCERIDES	Peg12 Palm Kernel Glycerides	124046-5 2-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45 PALM KERNEL GLYCERIDES	Peg45 Palm Kernel Glycerides	124046-5 2-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45 SAFFLOWER GLYCERIDES	PEG-45 SAFFLOWER GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-45 SAFFLOWER GLYCERIDES	Peg45 Safflower Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-45 STEARATE	Peg45 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45 STEARATE PHOSPHATE	Peg45 Stearate Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45/ DODECYL GLYCOL COPOLYMER	Peg22/dodecyl Glycol Copolymer	78336-31- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45/ DODECYL GLYCOL COPOLYMER	Peg45/ Dodecyl Glycol Copolymer	78336-31- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-450	PEG450	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-450	PEG450	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
PEG-45M	PEG45M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-45M	PEG45M	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%.	
PEG-5 CASTOR OIL	PEG-5 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 CASTOR OIL	Peg5 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 CETETH-10 PHOSPHATE	Peg5 Ceteth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 COCAMIDE	PEG-5 COCAMIDE	61791-08 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 COCAMIDE	Peg11 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-5 COCAMIDE	Peg20 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 COCAMIDE	Peg3 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 COCAMIDE	PEG5 COCAMIDE	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 COCAMIDE	Peg6 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 COCAMIDE	Peg7 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 COCAMINE	PEG5 COCAMINE	61791-14- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 COCOATE	Peg5 Cocoate	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 COCOMONIUM METHOSULFATE	Peg5 Cocomonium Methosulfate	68989-03 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 DEDM HYDANTOIN	Peg5 Dedm Hydantoin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 DEDM HYDANTOIN OLEATE	Peg5 Dedm Hydantoin Oleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 DITRIDECYLMONIUM CHLORIDE	Peg5 Ditridecylmonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG-5 ETHYLHEXANOATE	Peg5 Ethylhexanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 GLYCERYL ISOSTEARATE	Peg5 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 GLYCERYL OLEATE	Peg5 Glyceryl Oleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 GLYCERYL SESQUIOLEATE	Peg5 Glyceryl Sesquioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 GLYCERYL STEARATE	Peg5 Glyceryl Stearate	51158-08 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 GLYCERYL TRIISOSTEARATE	Peg5 Glyceryl Triisostearate	86846-21 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 GLYCERYL TRISTEARATE	Peg5 Glyceryl Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 HYDROGENATED CASTOR OIL	PEG-5 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 HYDROGENATED CASTOR OIL	Peg5 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 HYDROGENATED CASTOR OIL ISOSTEARATE	PEG-5 HYDROGENATED CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 HYDROGENATED CASTOR OIL ISOSTEARATE	Peg5 Hydrogenated Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 HYDROGENATED CASTOR OIL TRIISOSTEARATE	PEG-5 HYDROGENATED CASTOR OIL TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 HYDROGENATED CASTOR OIL TRIISOSTEARATE	Peg5 Hydrogenated Castor Oil Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG-5 HYDROGENATED CORN GLYCERIDES	PEG-5 HYDROGENATED CORN GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 HYDROGENATED CORN GLYCERIDES	Peg5 Hydrogenated Corn Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 HYDROGENATED LANOLIN	PEG5 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 HYDROGENATED TALLOW AMINE	PEG-5 HYDROGENATED TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 HYDROGENATED TALLOW AMINE	Peg5 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 ISODECYLOXYPROPYLAMIN E	Peg5 Isodecyloxypropylamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg10 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg12 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg15 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg20 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg3 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg4 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-5 LANOLATE	Peg5 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg6 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg7 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLATE	Peg8 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLIN	PEG5 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LANOLINAMIDE	PEG-5 LANOLINAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 LANOLINAMIDE	Peg5 Lanolinamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 LAURAMIDE	PEG-5 LAURAMIDE	26635-75 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 LAURAMIDE	Peg5 Lauramide	26635-75 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 OLEAMIDE	PEG-5 OLEAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 OLEAMIDE	Peg5 Oleamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 OLEAMIDE DIOLEATE	Peg5 Oleamide Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 OLEAMINE	PEG-5 OLEAMINE	26635-93 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-5 OLEAMINE	Peg5 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 OLEAMMONIUM METHOSULFATE	Peg5 Oleammonium Methosulfate	64611-81 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 OLEATE	Peg5 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 PENTAERYTHRITYL ETHER	Peg5 Pentaerythrityl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 PHYTOSTEROL	Peg5 Phytosterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 RAPESEED STEROL	Peg5 Rapeseed Sterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 SORBITAN ISOSTEARATE	PEG5 SORBITAN ISOSTEARATE	66794-58 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 SORBITAN OLEATE	Peg5 Sorbitan Oleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 SOYA STEROL	PEG5 SOY STEROL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
PEG-5 SOYA STEROL	Peg5 Soya Sterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 SOYAMINE	PEG-5 SOYAMINE	61791-24- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 SOYAMINE	Peg10 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-5 SOYAMINE	Peg15 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 SOYAMINE	Peg2 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 SOYAMINE	Peg5 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 SOYAMINE	Peg8 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 STEARAMINE	PEG-5 STEARAMINE	9003-93- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 STEARAMINE	Peg5 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 STEARATE	PEG5 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 STEARYL AMMONIUM CHLORIDE	Peg5 Stearyl Ammonium Chloride	80238-02 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 STEARYL AMMONIUM LACTATE	Peg5 Stearyl Ammonium Lactate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 STEARYL STEARATE	Peg5 Stearyl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TALL OIL STEROL	Peg5 Tall Oil Sterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TALLATE	Peg5 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-5 TALLOW AMIDE	PEG-5 TALLOW AMIDE	8051-61- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 TALLOW AMIDE	Peg5 Tallow Amide	8051-61- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TALLOW BENZONIUM CHLORIDE	Peg5 Tallow Benzonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TRICAPRYL CITRATE	Peg5 Tricapryl Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TRICETYL CITRATE	Peg5 Tricetyl Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TRILAURYL CITRATE	Peg5 Trilauryl Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TRIMETHYLOLPROPANE TRIMYRISTATE	Peg5 Trimethylolpropane Trimyristate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TRIMYRISTYL CITRATE	Peg5 Trimyristyl Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TRISTEARYL CITRATE	Peg5 Tristearyl Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 TSUBAKIATE GLYCERIDES	PEG-5 TSUBAKIATE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-5 TSUBAKIATE GLYCERIDES	Peg5 Tsubakiate Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5 UNDECYLENATE P-HYDROXYBENZOATE	Peg5 Undecylenate PHydroxybenzoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-5-CETETH-20	Peg5Ceteth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 CASTOR OIL	PEG-50 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 CASTOR OIL	Peg50 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 DISTEARATE	PEG50 DISTEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 GLYCERYL ISOSTEARATE	Peg50 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 GLYCERYL TRIISOSTEARATE	Peg50 Glyceryl Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 HYDROGENATED CASTOR OIL	PEG-50 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 HYDROGENATED CASTOR OIL	Peg50 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 HYDROGENATED CASTOR OIL ISOSTEARATE	PEG-50 HYDROGENATED CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 HYDROGENATED CASTOR OIL ISOSTEARATE	Peg50 Hydrogenated Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 HYDROGENATED CASTOR OIL LAURATE	PEG-50 HYDROGENATED CASTOR OIL LAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 HYDROGENATED CASTOR OIL LAURATE	Peg50 Hydrogenated Castor Oil Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	Peg50 Hydrogenated Castor Oil Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG-50 HYDROGENATED CASTOR OIL TRIISOSTEARATE	PEG-50 HYDROGENATED CASTOR OIL TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 HYDROGENATED CASTOR OIL TRIISOSTEARATE	Peg50 Hydrogenated Castor Oil Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 HYDROGENATED PALMAMIDE	PEG-50 HYDROGENATED PALMAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 HYDROGENATED PALMAMIDE	Peg50 Hydrogenated Palmamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 HYDROGENATED TALLOW AMINE	PEG-50 HYDROGENATED TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 HYDROGENATED TALLOW AMINE	Peg50 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 LANOLIN	PEG50 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 SHEA BUTTER	Peg50 Shea Butter	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 STEARAMIDE	PEG-50 STEARAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 STEARAMIDE	Peg50 Stearamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 STEARAMINE	PEG-50 STEARAMINE	9003-93- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 STEARAMINE	Peg50 Stearamine	9003-93- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 STEARATE	PEG50 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-50 STEARATE	PEG50 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 9%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	

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PEG-50 TALLOW AMIDE	PEG-50 TALLOW AMIDE	68155-24 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-50 TALLOW AMIDE	Peg50 Tallow Amide	68155-24 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-500	PEG500	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-54 CASTOR OIL	PEG-54 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-54 CASTOR OIL	Peg54 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-54 HYDROGENATED CASTOR OIL	PEG-54 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-54 HYDROGENATED CASTOR OIL	Peg54 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-55	PEG55	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-55 CASTOR OIL	PEG-55 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-55 CASTOR OIL	Peg55 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-55 HYDROGENATED CASTOR OIL	PEG-55 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-55 HYDROGENATED CASTOR OIL	Peg55 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-55 LANOLIN	PEG55 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-55 PROPYLENE GLYCOL DIOLEATE	Peg55 Propylene Glycol Dioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-55 PROPYLENE GLYCOL OLEATE	PEG55 PROPYLENE GLYCOL OLEATE	86481-08 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-55 PROPYLENE GLYCOL OLEATE	PEG55 PROPYLENE GLYCOL OLEATE	86481-08 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
PEG-55 STEARATE	PEG55 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-58 HYDROGENATED CASTOR OIL ISOSTEARATE	PEG-58 HYDROGENATED CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-58 HYDROGENATED CASTOR OIL ISOSTEARATE	Peg58 Hydrogenated Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5M	PEG5M	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-5M	PEG5M	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.01%.	
PEG-6	PEG6	2615-15- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 ALMOND GLYCERIDES	PEG-6 ALMOND GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 ALMOND GLYCERIDES	Peg6 Almond Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 BEESWAX	Peg6 Beeswax	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 BUTYLENE GLYCOL LAURATE	Peg6 Butylene Glycol Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 CAPRYLATE/CAPRATE	Peg6 Caprylate/caprate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-6 CAPRYLIC GLYCERIDES	Peg6 Caprylic Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 CAPRYLIC/ CAPRIC GLYCERIDE	Peg6 Caprylic/ Capric Glyceride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 CAPRYLIC/CAPRIC GLYCERIDES	PEG-6 CAPRYLIC/CAPRIC GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 CAPRYLIC/CAPRIC GLYCERIDES	Peg6 Caprylic/capric Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 COCAMIDE	PEG-6 COCAMIDE	61791-08 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 COCAMIDE	Peg6 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 COCAMIDE PHOSPHATE	Peg6 Cocamide Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 DIISOSTEARATE	PEG-6 DIISOSTEARATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 DIISOSTEARATE	Peg6 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 DILAURATE	PEG6 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 DIMETHICONE	PEG-6 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-6 DIMETHICONE	Peg6 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 DIOLEATE	PEG-6 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 DIOLEATE	Peg6 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-6 DISTEARATE	PEG6 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 ESTERS	Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 GLYCERYL CAPRATE	Peg6 Glyceryl Caprate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 GLYCERYL ISOSTEARATE	Peg6 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 GLYCERYL TRISTEARATE	Peg6 Glyceryl Tristearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 HYDROGENATED CASTOR OIL	PEG-6 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 HYDROGENATED CASTOR OIL	Peg6 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 HYDROGENATED PALM OIL	Peg6 Hydrogenated Palm Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 HYDROGENATED PALM/PALM KERNEL GLYCERIDE	PEG-6 HYDROGENATED PALM/PALM KERNEL GLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 HYDROGENATED PALM/PALM KERNEL GLYCERIDE	Peg6 Hydrogenated Palm/palm Kernel Glyceride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 HYDROGENATED PALMAMIDE	PEG-6 HYDROGENATED PALMAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 HYDROGENATED PALMAMIDE	Peg6 Hydrogenated Palmamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 ISOLAURYL THIOETHER	Peg6 Isolauryl Thioether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG-6 ISOPALMITATE	Peg6 Isopalmitate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 ISOSTEARATE	Peg10 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 ISOSTEARATE	Peg12 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 ISOSTEARATE	Peg4 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 ISOSTEARATE	Peg6 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 ISOSTEARATE	Peg8 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 LANOLATE	Peg6 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 LAURAMIDE	PEG-6 LAURAMIDE	26635-75 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 LAURAMIDE	Peg3 Lauramide	26635-75 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 LAURAMIDE	Peg5 Lauramide	26635-75 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 LAURAMIDE	Peg6 Lauramide	26635-75 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 LAURATE	PEG6 LAURATE	2370-64- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-6 LAURATE	PEG6 LAURATE	2370-64- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-6 LAURATE/TARTRATE	Peg6 Laurate/tartrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHICONE ACETATE	Peg6 Methicone Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHYL ETHER	METHOXY PEG10	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHYL ETHER	METHOXY PEG100	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHYL ETHER	METHOXY PEG16	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHYL ETHER	METHOXY PEG25	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHYL ETHER	METHOXY PEG40	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHYL ETHER	METHOXY PEG7	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHYL ETHER	PEG6 METHYL ETHER	9004-74- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 METHYL ETHER DIMETHICONE	PEG-6 METHYL ETHER DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-6 METHYL ETHER DIMETHICONE	PEG-6 METHYL ETHER DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG-6 METHYL ETHER DIMETHICONE	PEG-6 METHYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-6 METHYL ETHER DIMETHICONE	Peg6 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 OLEAMIDE	PEG-6 OLEAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 OLEAMIDE	Peg6 Oleamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 OLEAMINE	PEG-6 OLEAMINE	26635-93 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 OLEAMINE	Peg6 Oleamine	26635-93 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 OLEATE	Peg6 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 OLIVE GLYCERIDES	PEG-6 OLIVE GLYCERIDES	103819-4 6-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-6 OLIVE GLYCERIDES	Peg6 Olive Glycerides	103819-4 6-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 PALMITATE	Peg6 Palmitate	9004-94- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 PROPYLENE GLYCOL CAPRYLATE/CAPRATE	Peg6 Propylene Glycol Caprylate/caprate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 SORBITAN OLEATE	PEG6 SORBITAN OLEATE	9005-65- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 SORBITAN STEARATE	PEG6 SORBITAN STEARATE	9005-67- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-6 SORBITOL	Peg6 Sorbitol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 STEARATE	PEG6 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 STEARATE	PEG6 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
PEG-6 STEARYLGUANIDINE	Peg6 Stearylguanidine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6 UNDECYLENATE	Peg6 Undecylenate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6-32	Peg632	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6-32 GLYCERETH-26	Peg632 Glycereth26	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6-32 PROPYLENE GLYCOL	Peg632 Propylene Glycol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6-32 STEARATE	Peg632 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-6-32 STEARATE SE	Peg632 Stearate Se	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60	PEG60	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 ALMOND GLYCERIDES	PEG-60 ALMOND GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-60 ALMOND GLYCERIDES	Peg60 Almond Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 CASTOR OIL	PEG-60 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 CASTOR OIL	Peg60 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 CASTOR OIL ISOSGTEARATE	Peg60 Castor Oil Isosgtearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 CASTOR OIL ISOSTEARATE	PEG-60 CASTOR OIL ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 CASTOR OIL ISOSTEARATE	Peg60 Castor Oil Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 CORN GLYCERIDES	PEG-60 CORN GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 CORN GLYCERIDES	Peg60 Corn Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 EVENING PRIMROSE GLYCERIDES	PEG-60 EVENING PRIMROSE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 EVENING PRIMROSE GLYCERIDES	Peg60 Evening Primrose Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 GLYCERYL ISOSTEARATE	Peg60 Glyceryl Isostearate	68958-58 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 GLYCERYL STEARATE	Peg60 Glyceryl Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 GLYCERYL TRIISOSTEARATE	Peg60 Glyceryl Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 HYDROGENATED CASTOR OIL	PEG-60 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 18% and when formulated to be non-irritating.	

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PEG-60 HYDROGENATED CASTOR OIL	Peg60 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 HYDROGENATED CASTOR OIL LAURATE	PEG-60 HYDROGENATED CASTOR OIL LAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 HYDROGENATED CASTOR OIL LAURATE	Peg60 Hydrogenated Castor Oil Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	PEG-60 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 HYDROGENATED CASTOR OIL PCA ISOSTEARATE	Peg60 Hydrogenated Castor Oil Pca Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 HYDROGENATED CASTOR OIL TRIISOSTEARATE	PEG-60 HYDROGENATED CASTOR OIL TRIISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 HYDROGENATED CASTOR OIL TRIISOSTEARATE	Peg60 Hydrogenated Castor Oil Triisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 LANOLIN	PEG60 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 LANOLIN	PEG60 LANOLIN	61790-81 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
PEG-60 PASSIFLORA EDULIS SEED GLYCERIDES	PEG-60 PASSIFLORA EDULIS SEED GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 PASSIFLORA EDULIS SEED GLYCERIDES	Peg60 Passiflora Edulis Seed Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 PASSIFLORA INCARNATA SEED GLYCERIDES	PEG-60 PASSIFLORA INCARNATA SEED GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 PASSIFLORA INCARNATA SEED GLYCERIDES	Peg60 Passiflora Incarnata Seed Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 SHEA BUTTER GLYCERIDES	PEG-60 SHEA BUTTER GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 SHEA BUTTER GLYCERIDES	Peg60 Shea Butter Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-60 SORBITAN STEARATE	PEG60 SORBITAN STEARATE	9005-67- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 SORBITAN TETRAOLEATE	PEG60 SORBITAN TETRAOLEATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 SORBITAN TETRASTEARATE	PEG60 SORBITAN TETRASTEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60 TSUBAKIATE GLYCERIDES	PEG-60 TSUBAKIATE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-60 TSUBAKIATE GLYCERIDES	Peg60 Tsubakiate Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-600	Peg600	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-60M	Peg60m	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-65 HYDROGENATED CASTOR OIL	PEG-65 HYDROGENATED CASTOR OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-65 HYDROGENATED CASTOR OIL	Peg65 Hydrogenated Castor Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-65 LANOLIN	Peg65 Lanolin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-65M	PEG65M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-66 TRIHYDROXYSTEARIN	Peg66 Trihydroxystearin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-6M	Peg6m	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 AMODIMETHICONE	PEG-7 AMODIMETHICONE	133779-1 4-3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-7 AMODIMETHICONE	Peg7 Amodimethicone	133779-1 4-3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 AVOCADOATE	Peg7 Avocadoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 BETA-NAPHTHOL	Peg7 BetaNaphthol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 CAPRYLIC/CAPRIC GLYCERIDES	PEG-7 CAPRYLIC/CAPRIC GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-7 CAPRYLIC/CAPRIC GLYCERIDES	Peg7 Caprylic/capric Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 COCAMIDE	PEG-7 COCAMIDE	61791-08 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-7 COCAMIDE	Peg7 Cocamide	61791-08 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 DIMETHICONE	PEG-7 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-7 DIMETHICONE	PEG7 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 DIMETHICONE C8-C18 ESTER	Peg7 Dimethicone C8C18 Ester	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-7 DIMETHICONE ISOSTEARATE	PEG-7 DIMETHICONE ISOSTEARATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-7 DIMETHICONE ISOSTEARATE	Peg7 Dimethicone Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 ESTERS	Peg7 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 GLYCERIN COCOATE	Peg7 Glycerin Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 GLYCERYL COCOATE	PEG7 GLYCERYL COCOATE	66105-29 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 GLYCERYL SOYATE	Peg7 Glyceryl Soyate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 HYDROGENATED CASTOR OIL	PEG-7 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-7 HYDROGENATED CASTOR OIL	Peg7 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 LANOLATE	Peg7 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 METHYL ETHER	PEG7 METHYL ETHER	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 METHYL ETHER DIMETHICONE	PEG-7 METHYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
PEG-7 METHYL ETHER DIMETHICONE	Peg7 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 OLEAMIDE	PEG-7 OLEAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-7 OLEAMIDE	Peg7 Oleamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 OLEATE	Peg7 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 OLIVATE	Peg7 Olivate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 OLIVE GLYCERIDES	PEG-7 OLIVE GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-7 OLIVE GLYCERIDES	Peg7 Olive Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 PANTHENYL PHOSPHATE	Peg7 Panthenyl Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 RICINOLEAMIDE	Peg7 Ricinoleamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 RICINOLEATE	Peg7 Ricinoleate	9004-97- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 RICINOLEATE	Peg8 Ricinoleate	9004-97- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 RICINOLEATE	Peg9 Ricinoleate	9004-97- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 STEARATE	Peg7 Stearate	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 SUNFLOWER GLYCERIDES	PEG-7 SUNFLOWER GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-7 SUNFLOWER GLYCERIDES	Peg7 Sunflower Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7 TALLOW AMINE	PEG-7 TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-7 TALLOW AMINE	Peg7 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-70 HYDROGENATED LANOLIN	PEG70 HYDROGENATED LANOLIN	68648-27 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-70 LANOLIN	PEG-70 LANOLIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-70 LANOLIN	Peg70 Lanolin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-70 MANGO GLYCERIDES	PEG-70 MANGO GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-70 MANGO GLYCERIDES	Peg70 Mango Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7000	Peg7000	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75	PEG75	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 BETA-SITOSTEROL	Peg75 BetaSitosterol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 CASTOR OIL	PEG-75 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-75 CASTOR OIL	Peg75 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-75 COCOA BUTTER	Peg75 Cocoa Butter	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 COCOA BUTTER GLYCERIDE	Peg75 Cocoa Butter Glyceride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 COCOA BUTTER GLYCERIDES	PEG-75 COCOA BUTTER GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-75 COCOA BUTTER GLYCERIDES	Peg75 Cocoa Butter Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 DILAURATE	PEG75 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 DIOLEATE	PEG-75 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-75 DIOLEATE	Peg75 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 DISTEARATE	PEG75 DISTEARATE	9005-08- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 LANOLIN	PEG75 LANOLIN	8039-09- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 LANOLIN OIL	PEG75 LANOLIN	68648-38 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
PEG-75 LANOLIN OIL	PEG75 LANOLIN OIL	68648-38 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 LANOLIN WAX	PEG75 LANOLIN WAX	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 LAURATE	PEG75 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-75 LAURATE	PEG75 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-75 MEADOWFOAM OIL	PEG-75 MEADOWFOAM OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-75 MEADOWFOAM OIL	Peg75 Meadowfoam Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 OLEATE	Peg75 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 PROPYLENE GLYCOL STEARATE	PEG75 PROPYLENE GLYCOL STEARATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 SHEA BUTTER GLYCERIDES	PEG-75 SHEA BUTTER GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-75 SHEA BUTTER GLYCERIDES	Peg75 Shea Butter Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 SHOREA BUTTER GLYCERIDES	PEG-75 SHOREA BUTTER GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-75 SHOREA BUTTER GLYCERIDES	Peg75 Shorea Butter Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 SORBITAN LANOLATE	PEG75 SORBITAN LANOLATE	8051-13- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 SORBITAN LAURATE	PEG75 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 SOY GLYCERIDES	PEG-75 SOY GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-75 SOY GLYCERIDES	Peg75 Soy Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-75 STEARATE	PEG75 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-75 STEARYL ETHER DIMER	Peg75 Stearyl Ether Dimer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-76 STEARATE	Peg76 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-78 GLYCERYL COCOATE	PEG78 GLYCERYL COCOATE	68201-46 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7M	PEG7M	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-7M	PEG7M	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
PEG-8	PEG8	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 AVOCADOATE	Peg8 Avocadoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 BEESWAX	Peg8 Beeswax	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 BEHENATE	Peg8 Behenate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 C12-18 ESTER	Peg8 C1218 Ester	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 CAPRATE	Peg8 Caprate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 CAPRYLATE	Peg8 Caprylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8 CAPRYLATE/ CAPRATE	Peg8 Caprylate/ Caprate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 CAPRYLIC/ CAPRIC GLYCERIDES	PEG-8 CAPRYLIC/ CAPRIC GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 CAPRYLIC/ CAPRIC GLYCERIDES	Peg8 Caprylic/ Capric Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 CASTOR OIL	PEG-8 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 CASTOR OIL	Peg8 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 CETYL DIMETHICONE	PEG-8 CETYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-8 CETYL DIMETHICONE	PEG-8 CETYL DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-8 CETYL DIMETHICONE	Peg8 Cetyl Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 COCOATE	Peg10 Cocoate	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 COCOATE	PEG15 COCOATE	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 COCOATE	Peg5 Cocoate	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 COCOATE	Peg8 Cocoate	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 COCOATE	PEG9 COCOATE	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
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PEG-8 CRANBERRIATE	Peg8 Cranberriate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DI/TRIRICINOLEATE	Peg8 Di/triricinoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DICOCOATE	PEG-8 DICOCOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 DICOCOATE	Peg8 Dicocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIISOSTEARATE	PEG-8 DIISOSTEARATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 DIISOSTEARATE	Peg8 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DILAURATE	PEG12 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DILAURATE	PEG150 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DILAURATE	Peg16 Dilaurate	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DILAURATE	PEG20 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DILAURATE	PEG32 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DILAURATE	PEG4 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8 DILAURATE	PEG6 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DILAURATE	PEG75 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DILAURATE	PEG8 DILAURATE	9005-02- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIMETHICONE	PEG-8 DIMETHICONE	68937-54 -2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-8 DIMETHICONE	PEG8 DIMETHICONE	68937-54 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIMETHICONE	PEG9 DIMETHICONE	68937-54 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIMETHICONE COPOLYOL	Peg8 Dimethicone Copolyol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIMETHICONE MEADOWFOAMATE	Peg8 Dimethicone Meadowfoamate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIMETHICONE/DIMER DILINOLEIC ACID COPOLYMER	PEG-8 DIMETHICONE/DIMER DILINOLEIC ACID COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-8 DIMETHICONE/DIMER DILINOLEIC ACID COPOLYMER	Peg8 Dimethicone/dimer Dilinoleic Acid Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIOLEATE	PEG-8 DIOLEATE	9005-07- 6	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 DIOLEATE	Peg10 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8 DIOLEATE	Peg12 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIOLEATE	Peg150 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIOLEATE	Peg20 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIOLEATE	Peg32 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIOLEATE	Peg4 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIOLEATE	Peg6 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIOLEATE	Peg75 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DIOLEATE	Peg8 Dioleate	9005-07- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DISTEARATE	PEG8 DISTEARATE	52668-97 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DITALLATE	PEG-8 DITALLATE	61791-01- 3	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 DITALLATE	Peg8 Ditallate	61791-01- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 DODECENYLSUCCINATE	Peg8 Dodecenylsuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8 ESTERS	Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 GLYCERYL ISOSTEARATE	Peg8 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 GLYCERYL LAURATE	Peg8 Glyceryl Laurate	59070-56 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 HYDROGENATED CASTOR OIL	PEG-8 HYDROGENATED CASTOR OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 HYDROGENATED CASTOR OIL	Peg8 Hydrogenated Castor Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 HYDROGENATED FISH GLYCERIDE	Peg8 Hydrogenated Fish Glyceride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 HYDROGENATED FISH GLYCERIDES	PEG-8 HYDROGENATED FISH GLYCERIDES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 HYDROGENATED FISH GLYCERIDES	Peg8 Hydrogenated Fish Glycerides	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 ISOLAURYL THIOETHER	Peg8 Isolauryl Thioether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 ISOSTEARATE	Peg8 Isostearate	56002-14 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LANOLATE	Peg8 Lanolate	68459-50 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG10 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8 LAURATE	PEG12 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG14 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG150 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG20 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG32 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG4 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG75 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG8 LAURATE	9004-81- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LAURATE	PEG8 LAURATE	9004-81- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-8 LINOLEATE	Peg8 Linoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 LINOLENATE	Peg8 Linolenate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 MEADOWFOAMATE	Peg8 Meadowfoamate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8 METHICONE	PEG-8 METHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-8 METHICONE	PEG-8 METHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-8 METHICONE	Peg8 Methicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 METHYL ETHER DIMETHICONE	PEG-8 METHYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-8 METHYL ETHER DIMETHICONE	Peg8 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 METHYL ETHER TRIETHOXYSILANE	Peg8 Methyl Ether Triethoxysilane	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 MYRISTATE	Peg8 Myristate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 OLEATE	Peg8 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 PALMITOYL METHYL DIETHONIUM METHOSULFATE	Peg8 Palmitoyl Methyl Diethonium Methosulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 PALMITOYL OLIGOPEPTIDE	Peg8 Palmitoyl Oligopeptide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 PG-COCO-GLUCOSIDE DIMETHICONE	Peg8 PgCocoGlucoside Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 POLYSORBATE 60	Peg8 Polysorbate 60	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 PPG-3 DIISOSTEARATE	Peg8 Ppg3 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8 PROPYLENE GLYCOL	Peg8 Propylene Glycol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 PROPYLENE GLYCOL COCOATE	PEG8 PROPYLENE GLYCOL COCOATE	126645-9 8-5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 PROPYLENE GLYCOL COCOATE	PEG8 PROPYLENE GLYCOL COCOATE	126645-9 8-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
PEG-8 RASPBERRIATE	Peg8 Raspberriate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 RICINOLEATE	Peg8 Ricinoleate	9004-97- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 SESQUILAURATE	Peg8 Sesquilaurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 SESQUIOLEATE	Peg8 Sesquioleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 SOYAMINE	PEG-8 SOYAMINE	61791-24- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 SOYAMINE	Peg8 Soyamine	61791-24- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 STEARATE	PEG8 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 STEARATE	PEG8 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	
PEG-8 TALLATE	Peg8 Tallate	61791-00 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMIDE	PEG-8 TALLOW AMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PEG-8 TALLOW AMIDE	Peg8 Tallow Amide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	PEG-8 TALLOW AMINE	61791-26- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-8 TALLOW AMINE	Peg10 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg11 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg15 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg15 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg2 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg20 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg20 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg22 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg25 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg30 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8 TALLOW AMINE	Peg30 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg40 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg5 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg50 Hydrogenated Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg7 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TALLOW AMINE	Peg8 Tallow Amine	61791-26- 2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TOCOPHEROL	Peg8 Tocopherol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 TOCOPHEROL	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroguinone.	
PEG-8 TRIFLUOROPROPYL DIMETHICONE COPOLYMER	Peg8 Trifluoropropyl Dimethicone Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8 UNDECYLENATE	Peg8 Undecylenate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8-CETETH-20	Peg8Ceteth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-8/ SMDI COPOLYMER	Peg8/ Smdi Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-8/PPG-2 DIISOSTEARATE	Peg8/ppg2 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80	PEG80	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 CASTOR OIL	PEG-80 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-80 CASTOR OIL	Peg80 Castor Oil	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 GLYCERYL COCOATE	PEG30 GLYCERYL COCOATE	68201-46 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 GLYCERYL COCOATE	PEG40 GLYCERYL COCOATE	68201-46 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 GLYCERYL COCOATE	PEG78 GLYCERYL COCOATE	68201-46 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 GLYCERYL COCOATE	PEG80 GLYCERYL COCOATE	68201-46 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 GLYCERYL TALLOWATE	Peg80 Glyceryl Tallowate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 HYDROGENATED CASTOR OIL	PEG-80 HYDROGENATED CASTOR OIL	61788-85 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-80 HYDROGENATED CASTOR OIL	Peg80 Hydrogenated Castor Oil	61788-85 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 HYDROGENATED GLYCERYL PALMATE	Peg80 Hydrogenated Glyceryl Palmate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-80 JOJOBA ALCOHOL	Peg80 Jojoba Alcohol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 METHYL GLUCOSE LAURATE	PEG80 methyl glucose laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 SORBITAN LAURATE	PEG10 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 SORBITAN LAURATE	PEG40 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 SORBITAN LAURATE	PEG44 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 SORBITAN LAURATE	PEG75 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 SORBITAN LAURATE	PEG80 SORBITAN LAURATE	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 SORBITAN LAURATE	POLYSORBATE20	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4-dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4-dioxane cannot exceed 1 ppm in the final product.	
PEG-80 SORBITAN LAURATE SULFATE	Peg80 Sorbitan Laurate Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-80 SORBITAN PALMITATE	PEG80 SORBITAN PALMITATE	9005-66- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-800	PEG800	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-800/POLYVINYL ALCOHOL COPOLYMER	Peg800/polyvinyl Alcohol Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-82 GLYCERYL TALLOWATE	Peg82 Glyceryl Tallowate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-85 LANOLIN	PEG85 LANOLIN	61790-81 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9	PEG9	3386-18-3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9	PEG9	3386-18-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.9%.	
PEG-9 AVOCADOATE	Peg9 Avocadoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 BORAGEATE	Peg9 Borageate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 BUTYLENE GLYCOL LAURATE	Peg9 Butylene Glycol Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 BUTYLOCTANOATE	Peg9 Butyloctanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 CASTOR OIL	PEG-9 CASTOR OIL	61791-12- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-9 CASTOR OIL	PEG9 CASTOR OIL	61791-12- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 COCAMIDE MEA	Peg9 Cocamide Mea	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-9 COCOATE	PEG9 COCOATE	61791-29- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 COCOGLYCERIDES	PEG-9 COCOGLYCERIDES	67762-35 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-9 COCOGLYCERIDES	Peg9 Cocoglycerides	67762-35 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 DIETHYLMONIUM CHLORIDE	Peg9 Diethylmonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 DIMETHACRYLATE	Peg9 Dimethacrylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 DIMETHICONE	PEG-9 DIMETHICONE	68937-54 -2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-9 DIMETHICONE	PEG9 DIMETHICONE	68937-54 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 DISTEARATE	PEG9 DISTEARATE	109-34-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 GLYCERYL ISOSTEARATE	Peg9 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 GRAPESEEDATE	Peg9 Grapeseedate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 ISOSTEARATE	Peg9 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 LAURATE	PEG9 LAURATE	106-08-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-9 LAURATE	PEG9 LAURATE	106-08-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
PEG-9 METHYL ETHER	PEG-9 METHYL ETHER	0	The Cosmetic Ingredient Review found this substance	
PEG-9 METHYL ETHER DIMETHICONE	Peg9 Methyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 OCTYLDODECANOATE	Peg9 Octyldodecanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 OLEAMIDE	PEG-9 OLEAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-9 OLEAMIDE	Peg9 Oleamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 OLEATE	Peg9 Oleate	9004-96- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 OLIVEATE	Peg9 Oliveate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 POLYDIMETHYLSILOXYETHY L DIMETHICONE	PEG-9 POLYDIMETHYLSILOXYET HYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG-9 POLYDIMETHYLSILOXYETHY L DIMETHICONE	PEG-9 POLYDIMETHYLSILOXYET HYL DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG-9 POLYDIMETHYLSILOXYETHY L DIMETHICONE	Peg9 Polydimethylsiloxyethyl Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 RICINOLEATE	Peg9 Ricinoleate	9004-97- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 SOYATE	Peg9 Soyate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-9 STEARAMIDE CARBOXYLIC ACID	Peg9 Stearamide Carboxylic Acid	90453-59 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-9 STEARATE	Peg9 Stearate	5349-52- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-90	PEG90	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-90	PEG90	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 21%.	
PEG-90 DIISOSTEARATE	PEG-90 DIISOSTEARATE	0	he Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PEG-90 DIISOSTEARATE	Peg90 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-90 GLYCERYL ISOSTEARATE	Peg90 Glyceryl Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-90 STEARATE	PEG90 STEARATE	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-90/POLYEPSILON CAPROLACTONE	PEG90/POLYEPSILON CAPROLACTONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-90/POLYEPSILON CAPROLACTONE	PEG90/POLYEPSILON CAPROLACTONE	0	The European Commission restricts this substance as traces in ingredients and cannot exceed a concentration of 0.1%.	
PEG-90M	PEG90M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-90M	PEG90M	25322-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%.	
PEG-9M	PEG9M	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG-CROSSPOLYMER	PegCrosspolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-LYCEROL COCOATE	PegLycerol Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-STEARATES	PEG2 STEARATE	9004-99- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	
PEG-STEARATES	PegStearates	9004-99- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG-XX	PegXx	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PEG-20/ 20 DIMETHICONE	Peg/ Peg20/ 20 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ Ppg 116/ 66 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ Ppg 38/ 8 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ Ppg240/ 60 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg1/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg10/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg10/70 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg125/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg150/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg160/31 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg18/4 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg200/70 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg23/17 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg23/50 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg25/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg26/31 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg30/160 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg30/33 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg300/55 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg32/3 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg35/9 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg4/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg5/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg6/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg7/50 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 116/ 66 COPOLYMER	Peg/ppg8/17 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 20/ 22 BUTYL ETHER DIMETHICONE	Peg/ Ppg 20/ 22 Butyl Ether Dimethicone	67762-87 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 20/ 22 BUTYL ETHER DIMETHICONE	PEG/ PPG 20/ 22 BUTYL ETHER DIMETHICONE	67762-87 -2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/ PPG 20/ 22 BUTYL ETHER DIMETHICONE	PEG/ PPG 20/ 22 BUTYL ETHER DIMETHICONE	67762-87 -2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG 20/ 22 BUTYL ETHER DIMETHICONE	PEG/ PPG 20/ 22 BUTYL ETHER DIMETHICONE	67762-87 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/ PPG 20/ 22 BUTYL ETHER DIMETHICONE	Peg/ppg24/18 Butyl Ether Dimethicone	67762-87 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 38/ 8 COPOLYMER	Peg/ Ppg 38/ 8 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 4/ 12 DIMETHICONE	Peg/ Ppg 4/ 12 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG 4/ 12 DIMETHICONE	PEG/ PPG 4/ 12 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG 8/ 3 LAURATE	Peg/ Ppg 8/ 3 Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-10/ 2 RICINOLEATE	Peg/ Ppg10/ 2 Ricinoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-14/ 4 DIMETHICONE	PEG/ PPG-14/ 4 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG-14/ 4 DIMETHICONE	Peg/ Ppg14/ 4 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-15/ 15 DIMETHICONE	PEG/ PPG-15/ 15 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG-15/ 15 DIMETHICONE	Peg/ Ppg15/ 15 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/ PPG-17/ 18 DIMETHICONE	PEG/ PPG-17/ 18 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG-17/ 18 DIMETHICONE	Peg/ Ppg17/ 18 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-17/ 6 COPOLYMER	Peg/ Ppg17/ 6 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-18/ 18 DIMETHICONE	PEG/ PPG-18/ 18 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG-18/ 18 DIMETHICONE	Peg/ Ppg18/ 18 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-18/ 8 DIMETHICONE	Peg/ Ppg18/ 8 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-20/ 15 DIMETHICONE	PEG/ PPG-20/ 15 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG-20/ 15 DIMETHICONE	Peg/ Ppg20/ 15 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-20/ 23 BENZOATE	Peg/ Ppg20/ 23 Benzoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-20/ 6 DIMETHICONE	PEG/ PPG-20/ 6 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG-20/ 6 DIMETHICONE	Peg/ Ppg20/ 6 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/ PPG-22/ 24 DIMETHICONE	PEG/ PPG-22/ 24 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/ PPG-22/ 24 DIMETHICONE	Peg/ Ppg22/ 24 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-240/ 60 COPOLYMER	Peg/ Ppg240/ 60 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-25/ 25 DIMETHICONE/ ACRYLATES COPOLYMER	Peg/ Ppg25/ 25 Dimethicone/ Acrylates Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/ PPG-8/ 3 DIISOSTEARATE	Peg/ Ppg8/ 3 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-1/2 COPOLYMER	Peg/ppg1/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-1/25 DIETHYLMONIUM CHLORIDE	Peg/ppg1/25 Diethylmonium Chloride	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-10/2 COPOLYMER	Peg/ppg10/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-10/2 DIMETHICONE	PEG/PPG-10/2 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-10/2 DIMETHICONE	Peg/ppg10/2 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-10/2 DIRICINOLEATE	Peg/ppg10/2 Diricinoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-10/3 OLEYL ETHER DIMETHICONE	PEG/PPG-10/3 OLEYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-10/3 OLEYL ETHER DIMETHICONE	Peg/ppg10/3 Oleyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-10/30 COPOLYMER	Peg/ppg10/30 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-10/65 COPOLYMER	Peg/ppg10/65 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-10/70 COPOLYMER	Peg/ppg10/70 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-100/70 TOCOPHERYL ETHER	Peg/ppg100/70 Tocopheryl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-100/70 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PEG/PPG-12/16 DIMETHICONE	PEG/PPG-12/16 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-12/16 DIMETHICONE	Peg/ppg12/16 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-12/18 DIMETHICONE	PEG/PPG-12/18 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-12/18 DIMETHICONE	Peg/ppg12/18 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-12/35 COPOLYMER	Peg/ppg12/35 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-125/30 COPOLYMER	Peg/ppg125/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-14/7 DIMETHYL ETHER	PEG/PPG14/7 Dimethyl Ether	61419-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-14/7 DIMETHYL ETHER	PEG/PPG3/6 Dimethyl Ether	61419-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-14/7 DIMETHYL ETHER	PEG/PPG9/2 Dimethyl Ether	61419-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-150/30 COPOLYMER	Peg/ppg150/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-150/35 COPOLYMER	Peg/ppg150/35 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-16/17 COPOLYMER	Peg/ppg16/17 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-16/2 DIMETHICONE	PEG/PPG16/2 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-16/8	PEG/PPG-16/8	0	The Cosmetic Ingredient Review found this substance	
PEG/PPG-16/8 DIMETHICONE	Peg/ppg16/8 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-160/30 COPOLYMER	Peg/ppg160/30 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-160/31 COPOLYMER	Peg/ppg160/31 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-17/4 DIMETHYL ETHER	PEG/PPG17/4 Dimethyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-18/18 ISOSTEARATE	Peg/ppg18/18 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-18/18 LAURATE	Peg/ppg18/18 Laurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-18/4 COPOLYMER	Peg/ppg18/4 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-19/19 DIMETHICONE	PEG/PPG-19/19 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/PPG-19/19 DIMETHICONE	PEG/PPG19/19 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-19/21 COPOLYMER	Peg/ppg19/21 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-190/60 COPOLYMER	Peg/ppg190/60 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-2/5 TOCOPHERYL ETHER	Peg/ppg2/5 Tocopheryl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-2/5 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PEG/PPG-20/20 COPOLYMER	Peg/ppg20/20 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-20/20 DIMETHICONE	PEG/PPG-20/20 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/PPG-20/20 DIMETHICONE	PEG/PPG20/20 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-20/22 METHYL ETHER DIMETHICONE	PEG/PPG-20/22 METHYL ETHER DIMETHICONE	125857-7 5-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-20/22 METHYL ETHER DIMETHICONE	Peg/ppg20/22 Methyl Ether Dimethicone	125857-7 5-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-20/23 DIMETHICONE	PEG/PPG-20/23 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-20/23 DIMETHICONE	PEG/PPG20/23 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-20/29 DIMETHICONE	PEG/PPG20/29 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-20/60 COPOLYMER	Peg/ppg20/60 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-20/65 COPOLYMER	Peg/ppg20/65 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-20/9 COPOLYMER	Peg/ppg20/9 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-200/40 COPOLYMER	Peg/ppg200/40 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-200/70 COPOLYMER	Peg/ppg200/70 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-22/22 BUTYL ETHER DIMETHICONE	PEG/PPG-22/22 BUTYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-22/22 BUTYL ETHER DIMETHICONE	Peg/ppg22/22 Butyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-22/23 BUTYL ETHER DIMETHICONE	Peg/ppg22/23 Butyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-22/23 DIMETHICONE	PEG/PPG22/23 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-22/25 COPOLYMER	Peg/ppg22/25 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-22/40 DIMETHYL ETHER	PEG/PPG22/40 Dimethyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-23/17 COPOLYMER	Peg/ppg23/17 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-23/23 BUTYL ETHER DIMETHICONE	PEG/PPG-23/23 BUTYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-23/23 BUTYL ETHER DIMETHICONE	Peg/ppg23/23 Butyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-23/50 COPOLYMER	Peg/ppg23/50 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-23/6 DIMETHICONE	PEG/PPG23/6 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-24/18 BUTYL ETHER DIMETHICONE	PEG/PPG-24/18 BUTYL ETHER DIMETHICONE	67762-87 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-24/18 BUTYL ETHER DIMETHICONE	Peg/ppg24/18 Butyl Ether Dimethicone	67762-87 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-24/24 METHYL ETHER GLYCIDOXY DIMETHICONE	Peg/ppg24/24 Methyl Ether Glycidoxy Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-25/25 DIMETHICONE	PEG/PPG-25/25 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/PPG-25/25 DIMETHICONE	PEG/PPG25/25 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-25/30 COPOLYMER	Peg/ppg25/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-26/31 COPOLYMER	Peg/ppg26/31 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-27/14 DIMETHYL ETHER	PEG/PPG27/14 Dimethyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-27/27 DIMETHICONE	PEG/PPG-27/27 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PEG/PPG-27/27 DIMETHICONE	PEG/PPG27/27 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-27/9 BUTYL ETHER	PEG/PPG-27/9 BUTYL	0	The Cosmetic Ingredient Review found this substance	
PEG/PPG-27/9 BUTYL ETHER DIMETHICONE	Peg/ppg27/9 Butyl Ether Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-28/21 ACETATE DIMETHICONE	Peg/ppg28/21 Acetate Dimethicone	68037-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-28/30 COPOLYMER	Peg/ppg28/30 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-3/1 OLIVE OIL ESTERS	Peg/ppg3/1 Olive Oil Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-3/10 DIMETHICONE	PEG/PPG3/10 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-3/17 COPOLYMER	Peg/ppg3/17 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-3/6 DIMETHYL ETHER	PEG/PPG3/6 Dimethyl Ether	61419-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-30/10 DIMETHICONE	PEG/PPG-30/10 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-30/10 DIMETHICONE	Peg/ppg30/10 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-30/10 TOCOPHERYL ETHER	Peg/ppg30/10 Tocopheryl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-30/10 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PEG/PPG-30/160 COPOLYMER	Peg/ppg30/160 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-30/33 COPOLYMER	Peg/ppg30/33 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-30/35 COPOLYMER	Peg/ppg30/35 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-30/55 COPOLYMER	Peg/ppg30/55 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-300/55 COPLOYMER	Peg/ppg300/55 Coploymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-300/55 COPOLYMER	Peg/ppg300/55 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-32/3 COPOLYMER	Peg/ppg32/3 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-32/3 DIRICINOLEATE	Peg/ppg32/3 Diricinoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-32/3 RICINOLEATE	Peg/ppg32/3 Ricinoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-35/40 COPOLYMER	Peg/ppg35/40 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-35/40 DIMETHYL ETHER	PEG/PPG35/40 Dimethyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-35/9 COPOLYMER	Peg/ppg35/9 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-36/41 DIMETHYL ETHER	PEG/PPG36/41 Dimethyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-4/2 COPOLYMER	Peg/ppg4/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-5/10 TOCOPHERYL ETHER	Peg/ppg5/10 Tocopheryl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-5/10 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PEG/PPG-5/20 TOCOPHERYL ETHER	Peg/ppg5/20 Tocopheryl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-5/20 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PEG/PPG-5/3 TRISILOXANE	Peg/ppg5/3 Trisiloxane	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-5/30 COPOLYMER	Peg/ppg5/30 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-5/30 TOCOPHERYL ETHER	Peg/ppg5/30 Tocopheryl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-5/30 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PEG/PPG-5/35 COPOLYMER	Peg/ppg5/35 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-50/20 TOCOPHERYL ETHER	Peg/ppg50/20 Tocopheryl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-50/20 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PEG/PPG-50/40 COPOLYMER	Peg/ppg50/40 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-50/40 DIMETHYL ETHER	PEG/PPG50/40 Dimethyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-55/28 DIMETHYL ETHER	PEG/PPG55/28 Dimethyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-6/11 DIMETHICONE	PEG/PPG6/11 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-6/2 COPOLYMER	Peg/ppg6/2 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-7/12 DIMETHYL ETHER	PEG/PPG7/12 Dimethyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-7/50 COPOLYMER	Peg/ppg7/50 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-70/30 TOCOPHERYL ETHER	Peg/ppg70/30 Tocopheryl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-70/30 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PEG/PPG-8/13 DIISOSTEARATE	Peg/ppg8/13 Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-8/14 DIMETHICONE	PEG/PPG8/14 DIMETHICONE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PEG/PPG-8/17 COPOLYMER	Peg/ppg8/17 Copolymer	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-8/26 DIMETHICONE	PEG/PPG-8/26 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PEG/PPG-8/26 DIMETHICONE	Peg/ppg8/26 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-8/55 COPOLYMER	Peg/ppg8/55 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG-9/2 DIMETHYL ETHER	PEG/PPG9/2 Dimethyl Ether	61419-46 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG/BUTYLENE/DIMET HICONE COPOLYMER	Peg/ppg/butylene/dimethi cone Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEG/PPG/POLYBUTYLENE GLYCOL-8/5/3 GLYCERIN	Peg/ppg/polybutylene Glycol8/5/3 Glycerin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEGLICOL 5 OLEATE	Peglicol 5 Oleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PEGOXOL 7 STEARATE	Pegoxol 7 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PELAGONIUM GRAVEOLENS OIL	Citronellol, contact allergen for eczema products	90082-51 -2	This ingredient contains Citronellol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELAGONIUM GRAVEOLENS OIL	Geraniol, contact allergen for eczema products	90082-51 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELAGONIUM GRAVEOLENS OIL	Linalool, contact allergen for eczema products	90082-51 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELAGONIUM GRAVEOLENS OIL	Pelargonium graveolens oil	90082-51 -2	The presence of 'Pelargonium graveolens oil' shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PELARGONIUM ASPERUM (GERANIUM) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM ASPERUM (GERANIUM) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM CAPITATUM (GERANIUM) OIL	Citronellol, contact allergen for eczema products	0	This ingredient contains Citronellol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM CAPITATUM (GERANIUM) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM CAPITATUM (GERANIUM) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM CAPITATUM LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM CAPITATUM LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM CRISPUM LEAF EXTRACT	Geraniol, contact allergen for eczema products	90082-46 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM CRISPUM LEAF EXTRACT	Linalool, contact allergen for eczema products	90082-46 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM CRISPUM LEAF OIL	Geraniol, contact allergen for eczema products	90082-46 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM CRISPUM LEAF OIL	Linalool, contact allergen for eczema products	90082-46 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM CRISPUM STEM EXTRACT	Geraniol, contact allergen for eczema products	90082-46 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM CRISPUM STEM EXTRACT	Linalool, contact allergen for eczema products	90082-46 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM CRISPUM STEM OIL	Geraniol, contact allergen for eczema products	90082-46 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PELARGONIUM CRISPUM STEM OIL	Linalool, contact allergen for eczema products	90082-46 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM GRAVEOLENS (GERANIUM)	Citronellol, contact allergen for eczema products	0	This ingredient contains Citronellol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS (GERANIUM)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM GRAVEOLENS (GERANIUM)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM GRAVEOLENS (GERANIUM) FLOWER OIL	Citronellol, contact allergen for eczema products	8000-46- 2	This ingredient contains Citronellol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS (GERANIUM) FLOWER OIL	Geraniol, contact allergen for eczema products	8000-46- 2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS (GERANIUM) FLOWER OIL	Linalool, contact allergen for eczema products	8000-46- 2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS EXTRACT	Geraniol, contact allergen for eczema products	90082-51 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS EXTRACT	Linalool, contact allergen for eczema products	90082-51 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS FLOWER/LEAF/STEM EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS FLOWER/LEAF/STEM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS LEAF EXTRACT SAPONIFIED	Geraniol, contact allergen for eczema products	94333-77 -4	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS LEAF EXTRACT SAPONIFIED	Linalool, contact allergen for eczema products	94333-77 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	Х
PELARGONIUM GRAVEOLENS LEAF OIL	Geraniol, contact allergen for eczema products	90082-51 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PELARGONIUM GRAVEOLENS LEAF OIL	Linalool, contact allergen for eczema products	90082-51 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM GRAVEOLENS WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM PELTATUM EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM PELTATUM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM RADULA LEAF EXTRACT ACETYLATED	Geraniol, contact allergen for eczema products	94333-78 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM RADULA LEAF EXTRACT ACETYLATED	Linalool, contact allergen for eczema products	94333-78 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM ROSEUM LEAF EXTRACT	Geraniol, contact allergen for eczema products	90082-55 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM ROSEUM LEAF EXTRACT	Linalool, contact allergen for eczema products	90082-55 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM ROSEUM LEAF OIL	Geraniol, contact allergen for eczema products	90082-55 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM ROSEUM LEAF OIL	Linalool, contact allergen for eczema products	90082-55 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM ROSEUM STEM EXTRACT	Geraniol, contact allergen for eczema products	90082-55 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PELARGONIUM ROSEUM STEM EXTRACT	Linalool, contact allergen for eczema products	90082-55 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELARGONIUM ROSEUM STEM OIL	Geraniol, contact allergen for eczema products	90082-55 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PELARGONIUM ROSEUM STEM OIL	Linalool, contact allergen for eczema products	90082-55 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PELVETIA CANALICULATA (CHANNELLED WRACK) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
PELVETIA CANALICULATA (CHANNELLED WRACK) EXTRACT	PELVETIA CANALICULATA (CHANNELLED WRACK) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PENTADECALACTONE	Cyclopentadecanolide	106-02-5	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.16% in lip products, 0.2% in deodorants/antiperspirants, 0.83% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 2.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 1.31% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 3.93% in mouthwashes, breath sprays, and toothpastes, 0.42% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilotories, facial cleansers, shampoos, conditioners, etc.).	
PENTADECALACTONE	Cyclopentadecanolide	106-02-5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.42 % Category 2) 0.13 % Category 3) 2.5 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.60 % Category 5C) 0.60 % Category 5D) 0.20 % Category 6) 1.4 % Category 7A) 4.8 % Category 7B) 4.8 % Category 8) 0.20 % Category 9) 4.6 % Category 10A) 4.6 % Category 10B) 17 % Category 11A) 0.20 % Category 11B) 0.20 % Category 12) No Restriction	
PENTADOXYNOL-200	Pentadoxynol200	40160-92 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PENTAERYTHRITYL TETRABEHENATE	PENTAERYTHRITYL TETRABEHENATE	61682-73 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
PENTAERYTHRITYL TETRABEHENATE/BENZOATE /ETHYLHEXANOATE	PENTAERYTHRITYL TETRABEHENATE/BENZOA TE/ETHYLHEXANOATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 16%.	
PENTAERYTHRITYL TETRACAPRYLATE/ TETRACAPRATE	PENTAERYTHRITYL TETRACAPRYLATE/TETRAC APRATE	68441-68 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
PENTAERYTHRITYL TETRAETHYLHEXANOATE	PENTAERYTHRITYL TETRAETHYLHEXANOATE	7299-99- 2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 50%.	

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PENTAERYTHRITYL TETRAETHYLHEXANOATE/BE NZOATE	PENTAERYTHRITYL TETRAETHYLHEXANOATE/ BENZOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PENTAERYTHRITYL TETRALAURATE	PENTAERYTHRITYL TETRALAURATE	13057-50 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PENTAERYTHRITYL TETRASTEARATE	PENTAERYTHRITYL TETRASTEARATE	115-83-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
PENTAMETHYL-CYCLOPENT-1 -ENYL METHYL KETONE	1(2,4,4,5,5Pentamethyl1cycl openten1yl)ethan1one	13144-88 -2	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.15% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.45% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.24% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.72% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.01% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
PENTAMETHYL-CYCLOPENT-1 -ENYL METHYL KETONE	1(2,4,4,5,5Pentamethyl1cycl openten1yl)ethan1one	13144-88 -2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077 % Category 2) 0.023 % Category 3) 0.46 % Category 4) 0.43 % Category 5A) 0.11 % Category 5B) 0.11 % Category 5C) 0.11 % Category 5D) 0.11 % Category 6) 0.25 % Category 7A) 0.88 % Category 7B) 0.88 % Category 8) 0.045 % Category 9) 0.84 % Category 10A) 3.0 % Category 10B) 3.0 % Category 11A) 1.7 % Category 11B) 1.7 % Category 12) No Restriction	
PENTAMETHYLCYCLOPENT-3 -ENE-BUTANOL	5(2,2,3Trimethyl3cyclopente nyl)3methylpentan2ol	65113-99- 7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.21 % Category 2) 0.062 % Category 3) 1.2 % Category 4) 1.2 % Category 5A) 0.29 % Category 5B) 0.29 % Category 5C) 0.29 % Category 5D) 0.29 % Category 6) 0.68 % Category 7A) 2.4 % Category 7B) 2.4 % Category 8) 0.12 % Category 9) 2.3 % Category 10A) 8.1 % Category 10B) 8.1 % Category 11A) 4.5 % Category 11B) 4.5 % Category 12) No Restriction	
PENTAPEPTIDE-48	Pentapeptide48	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.002%	
PERFLUORONONYLETHYL CARBOXYDECYL PEG-10 DIMETHICONE	Perfluorononylethyl Carboxydecyl Peg10 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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PERHYDROL UREA	CARBAMIDEUREAPEROXID E	124-43-6	Health Canada requires manufacturers of oral products containing peroxides or peroxidegenerating compounds to submit the following information: data on the pH of the cosmetic product, when it is applied to the tooth or teeth, i.e. that the pH is greater than or equal to 4.0; product labelling demonstrating that all cautionary statement requirements have been met. If an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit safety evidence that the product does not cause the saliva or soft tissue of the oral cavity to exceed 3% hydrogen peroxide, and is safe when used as directed. Required Warning: Health Canada requires the following warning text on the package/label of oral products: 'If irritation (such as redness, swelling, soreness) of the gums or the mouth occurs, discontinue use and consult a dentist'; 'Products containing peroxides are not recommended for use by children under 12 years of age'; 'Use for periods of longer than 14 days is to be only under the supervision of a dentist'; 'Avoid swallowing the cosmetic or part thereof'; 'Avoid contact of the product with the eye'; 'Avoid direct contact of the active surface of the tooth whitening product with the gums and/or salivary flow.'	
PERHYDROL UREA	PERHYDROL UREA	124-43-6	The European Commission restricts this ingredient to a maximum concentration of 12% of H2O2 (40 volumes, present or released) in hair products, 4% of H2O2 (present or released) in nail hardening products, 0.1% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in tooth whitening or bleaching products. Additionally, the products with this ingredient can only be sold to dental practitioners, and for each cycle of use, the first use must be done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards, the product may be provided to the consumer to complete the cycle of use. The product cannot to be used on a person under 18 years of age. Lastly, for products intended for eyelashes, the concentration cannot exceed 2% of H2O2, present or released, and is permitted for professional use only. Required Warning: The European Commission requires the following on the label/package of hair products: 'Wear suitable gloves'; 'Contains hydrogen peroxide'; 'Avoid contact with them'. For skin and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provide'; 'Avoid contact with them'. For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provide'; 'Avoid contact with them'; Concentration of H 20 2 present or released indicated in percentage; 'Not to be used on a person under 18 years of age'; 'To be only sold to dental practitioners'; 'For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PERHYDROL UREA	PERHYDROL UREA	124-43-6	According to Section 13 of Canada's Cosmetic Regulations the pH of oral products containing this ingredient must be greater than or equal to 4.0. Additionally, if an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit a clinical study to demonstrate the salivary peroxide levels do not exceed 3% during the use of the product as per the directions of use.	
PERHYDROL UREA	UREACARBAMIDEPEROXID E	124-43-6	Health Canada requires manufacturers of oral products containing peroxides or peroxidegenerating compounds to submit the following information: data on the pH of the cosmetic product, when it is applied to the tooth or teeth, i.e. that the pH is greater than or equal to 4.0; product labelling demonstrating that all cautionary statement requirements have been met. If an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit safety evidence that the product does not cause the saliva or soft tissue of the oral cavity to exceed 3% hydrogen peroxide, and is safe when used as directed. Required Warning: Health Canada requires the following warning text on the package/label of oral products: 'If irritation (such as redness, swelling, soreness) of the guns or the mouth occurs, discontinue use and consult a dentist'; 'Products containing peroxides are not recommended for use by children under 12 years of age'; 'Use for periods of longer than 14 days is to be only under the supervision of a dentist'; 'Avoid swallowing the cosmetic or part thereof'; 'Avoid contact of the product with the eye'; 'Avoid direct contact of the active surface of the tooth whitening product with the guns and/or salivary flow.'	
PERILLA FRUTESCENS JAPANICA (PERILLA) SEED EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PERILLA FRUTESCENS LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PERILLA FRUTESENS JAPANICA (SHISO JAPANICA)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PERILLA OCYMOIDES (BEEFSTEAK PLANT) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PERILLA OCYMOIDES (BEEFSTEAK PLANT) LEAF EXTRACT	Linalool, contact allergen for eczema products	90082-61 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PERILLA OCYMOIDES (BEEFSTEAK PLANT) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	X
PERILLA OCYMOIDES (BEEFSTEAK PLANT) SEED EXTRACT	Linalool, contact allergen for eczema products	90082-61 -4	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PERILLA OCYMOIDES LEAF POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PERILLA OIL	Linalool, contact allergen for eczema products	68132-21- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PERILLALDEHYDE	Perilla aldehyde	2111-75-3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.054 % Category 2) 0.016 % Category 3) 0.32 % Category 4) 0.30 % Category 5A) 0.076 % Category 5B) 0.076 % Category 5C) 0.076 % Category 5D) 0.076 % Category 6) 0.18 % Category 7A) 0.61 % Category 7B) 0.61 % Category 8) 0.032 % Category 9) 0.59 % Category 10A) 2.1 % Category 10B) 2.1 % Category 11A) 1.2 % Category 11B) 1.2 % Category 12) No Restriction	
PERILLALDEHYDE	PERILLALDEHYDE	2111-75-3	The European Commission restricts this ingredient to a maximum concentration of 0.1% in nonoral products.	
PERILLALDEHYDE	pMentha1,8dien7al (Perilla aldehyde)	2111-75-3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.03% in deodorants/antiperspirants, 0.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.5% in mouthwashes, breath sprays, and toothpastes, 0.05% in intimate wipes, and baby wipes, 0.1% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.1% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
PERSEA GRATISSIMA (AVOCADO) OIL UNSAPONIFIABLES	PERSEA GRATISSIMA (AVOCADO) OIL UNSAPONIETABLES	91770-40 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%	
PERSEA GRATISSIMA (AVOCADO) OIL, HYDROGENATED	HYDROGENATED AVOCADO OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
PETITGRAIN CITRONIER OIL	Citral, contact allergen for eczema products	8048-51- 9	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PETITGRAIN CITRONIER OIL	Geraniol, contact allergen for eczema products	8048-51- 9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PETITGRAIN CITRONIER OIL	Linalool, contact allergen for eczema products	8048-51- 9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Petitgrain oil terpeneless	Citral, contact allergen for eczema products	68915-85 -5	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Petitgrain oil terpeneless	Geraniol, contact allergen for eczema products	68915-85 -5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Petitgrain oil terpeneless	Linalool, contact allergen for eczema products	68915-85 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Petitgrain Paraguay oil	Citral, contact allergen for eczema products	8016-44- 2	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Petitgrain Paraguay oil	Geraniol, contact allergen for eczema products	8016-44- 2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Petitgrain Paraguay oil	Linalool, contact allergen for eczema products	8016-44- 2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Petitgrain terpenes	Citral, contact allergen for eczema products	68917-61- 3	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Petitgrain terpenes	Geraniol, contact allergen for eczema products	68917-61- 3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Petitgrain terpenes	Linalool, contact allergen for eczema products	68917-61- 3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PETROLATUM	PETROLATUM	8009-03- 8	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 3% and PAH levels must be below 10 ppb. Mineral waxes must have an average molecular weight of at least 500 Daltons and a viscosity value greater than or equal to 11 centistokes at 100oC or greater than or equal to 8 centistokes at 120oC. Additionally, no more than 5% of hydrocarbons with a chain length less than C25 may be present.	
PETROLATUM	PETROLATUM	8009-03- 8	The European Commission bans this ingredient from use in cosmetics unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
PETROLEUM DISTILLATES	Petroleum Distillates	8052-41- 3	The European Commission bans this ingredient from use in cosmetics if its benzene content is over 0.1%.	
PETROLEUM DISTILLATES, CLAY-TREATED HEAVY NAPHTHENIC	PETROLEUM DISTILLATES, CLAYTREATED HEAVY NAPHTHENIC	64742-44 -5	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
PETROLEUM DISTILLATES, CLAY-TREATED LIGHT NAPHTHENIC	PETROLEUM DISTILLATES, CLAYTREATED LIGHT NAPHTHENIC	64742-45 -6	The European Commission bans this ingredient from use in cosmetics if it contains over 3% w/w DMSO extract	
PETROLEUM GASES, LIQUEFIED, SWEETENED, C4 FRACTION	PETROLEUM GASES, LIQUEFIED, SWEETENED, C4 FRACTION	92045-80 -2	The European Commission bans this ingredient from use in cosmetics if it contains over 0.1% w/w Butadiene	
PFAFFIA PANICULATA (SUMA) EXTRACT	Brazil Ginseng	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PHAEOPHYCEA SEAWEED EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
PHASEOLUS ANGULARIS SEED STARCH	PHASEOLUS ANGULARIS SEED STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PHASEOLUS RADIATUS SEED STARCH	PHASEOLUS RADIATUS SEED STARCH	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PHENAZINIUM, 3,7-DIAMINO-2,8-DIMETHYL- 5-PHENYL-, SALT WITH 1-(((5-(3,4-DICHLOROPHENY L)-2-	PHENAZINIUM, 3,7-DIAMINO-2,8-DIMETHY L-5-PHENYL-, SALT WITH 1-(((5-(3,4-DICHLOROPHEN YL)-2-	69959-24 -6	Per European restrictions, prohibited for use in hair dye products.	
PHENETHYL ALCOHOL	PHENETHYL ALCOHOL	60-12-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
PHENETHYL DIMETHICONE	PHENETHYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PHENOL, DODECYL-, MIXED ISOMERS	PHENOL, DODECYL-, MIXED ISOMERS	27193-86- 8	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
PHENOL, P-NITRO-, ALUMINUM SALT	Aluminum Compounds	64047-79 -6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PHENOL, POLYMER WITH FORMALDEHYDE	Phenol Formaldehyde Resin	9003-35- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PHENOTHIAZIN-5-IUM, 3,7-BIS(DIMETHYLAMINO)-, CHLORIDE, TRIHYDRATE	PHENOTHIAZIN-5-IUM, 3,7-BIS(DIMETHYLAMINO) -, CHLORIDE, TRIHYDRATE	7220-79- 3	Per European restrictions, prohibited for use in hair dye products.	
PHENOTHIAZIN-5-IUM, 3,7-BIS(DIMETHYLAMINO)-4 -NITRO-, CHLORIDE	PHENOTHIAZIN-5-IUM, 3,7-BIS(DIMETHYLAMINO) -4-NITRO-, CHLORIDE	2679-01- 8	Per European restrictions, prohibited for use in hair dye products.	
PHENOXYETHANOL	Phenoxyethanol	122-99-6	The Cosmetic Ingredient Review has determined that Phenoxyethanol (a component of several branded preservatives) is safe as used up to a concentration of 1%.	
PHENOXYETHANOL	Phenoxyethanol	122-99-6	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 1%.	
PHENOXYETHANOL	PHENOXYETHANOL	122-99-6	Per COSING, the maximum concentration in RTU preparation is 1.0%.	
PHENOXYISOPROPANOL	1Phenoxypropan2ol (8)	770-35-4	(*) The European Commission restricts this ingredient to a maximum concentration of 1.00% in rinseoff products.	
PHENOXYISOPROPANOL	Phenoxyisopropanol	770-35-4	The European Commission restricts this ingredient to a maximum concentration of 2% in rinseoff products. The substance cannot be used in oral products.	
PHENYL DIMETHICONE	PHENYL DIMETHICONE	9005-12- 3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PHENYL METHICONE	PHENYL METHICONE	31230-04 -3	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PHENYL SALICYLATE	PHENYLSALICYLATE	118-55-8	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 1%.	
PHENYLACETALDEHYDE	PHENYLACETALDEHYDE	122-78-1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.02% in deodorants/antiperspirants, 0.09% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.4% in mouthwashes, breath sprays, and toothpastes, 0.04% in intimate wipes, and baby wipes, 0.6% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 3% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
PHENYLACETALDEHYDE	PHENYLACETALDEHYDE	122-78-1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.045 % Category 2) 0.014 % Category 3) 0.27 % Category 4) 0.25 % Category 5A) 0.064 % Category 5B) 0.064 % Category 5C) 0.064 % Category 5D) 0.021 % Category 6) 0.15 % Category 7A) 0.52 % Category 7B) 0.52 % Category 8) 0.021 % Category 9) 0.49 % Category 10A) 0.49 % Category 10B) 1.8 % Category 11A) 0.021 % Category 11B) 0.021 % Category 12) No Restriction	
PHENYLALANINE	PHENYLALANINE	150-30-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PHENYLISOPROPYL DIMETHICONE	PHENYLISOPROPYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PHENYLPROPYL ETHYL METHICONE	PHENYLPROPYL ETHYL METHICONE	68037-77 -4	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PHENYLPROPYLDIMETHYLSI LOXYSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
PHENYLPROPYLDIMETHYLSI LOXYSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
PHOSPHATIDYLCHOLINE	PHOSPHATIDYLCHOLINE	93685-90 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PHOSPHATIDYLSERINE	PHOSPHATIDYLSERINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PHOSPHINE OXIDE, DIPHENYL(2,4,6-TRIMETHYL BENZOYL)-	Diphenyl(2,4,6trimethylben zoyl)phosphine oxide	75980-60 -8	Europe restricts this chemical: (a) Maximum concentration in ready for use preparation: Artificial Nail Systems 5% Required Warning: Professional use must include warning avoid skin contact; read directions for use carfully; for professhional use only	
PHOSPHOLIPIDS	PHOSPHOLIPIDS	123465-3 5-0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.75%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PHOSPHORIC ACID, ALUMINUM SALT (1:1)	Aluminum Compounds	7784-30- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PHTHALAZINE, 1-HYDRAZINO-	Hydralazine	86-54-4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PHTHALIC ANHYDRIDE	phthalic anhydride	85-44-9	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
PHTHALIC ANHYDRIDE	phthalic anhydride	85-44-9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PHTHALIC ANHYDRIDE, METHYLTETRAHYDRO-	Methyl Tetrahydrophthalic Anhydride	26590-20 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PHTHALIC ANHYDRIDE/ADIPIC ACID/CASTOR OIL/NEOPENTYL GLYCOL/PEG-3/TRIMETHYL OLPROPANE COPOLYMER	Phthalic Anhydride/adipic Acid/castor Oil/neopentyl Glycol/peg3/trimethylolpro pane Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PHYLLACANTHA FIBROSA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
PHYLLACANTHA FIBROSA	PHYLLACANTHA FIBROSA	0	The Cosmetic Ingredient Review found this substance	
PHYTANTRIOL	PHYTANTRIOL	74563-64 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: sulphated ash, heavy metals, and diastereomer of phytantriol (3.7.11.15tetramethyl1.2.3.4tetrahydroxyhexadecane)	
PHYTIC ACID	PHYTIC ACID	83-86-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
PHYTOL PPG-5-CETETH-20	Phytol Ppg5Ceteth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PICEA MARIANA LEAF EXTRACT	PICEA MARIANA LEAF EXTRACT	91722-19- 9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PICEA MARIANA LEAF EXTRACT	PICEA MARIANA LEAF OIL	91722-19- 9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PICEA MARIANA LEAF OIL	PICEA MARIANA LEAF EXTRACT	91722-19- 9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PICEA MARIANA LEAF OIL	PICEA MARIANA LEAF OIL	91722-19- 9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PICRAMIC ACID	PICRAMIC ACID	96-91-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.6%.	
Pigment Red 63:1 (Uncertified D&C Red No. 34)	D&C Red No. 34	6417-83- 0	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Pigment Red 63:1 (Uncertified D&C Red No. 34)	Pigment Red 63:1 (Uncertified D&C Red No. 34)	6417-83- 0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Pigment Red 64:1 (Uncertified D&C Red No. 31)	Brilliant Lake Red R	6371-76-2	This substance may not contain detectable levels of Sudan I (CI Solvent Yellow 14; 1phenylazo2naphthol).	
Pigment Red 64:1 (Uncertified D&C Red No. 31)	D&C Red No. 31	6371-76-2	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Pigment Red 64:1 (Uncertified D&C Red No. 31)	Pigment Red 64:1 (Uncertified D&C Red No. 31)	6371-76-2	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
PIMENTA ACRIS (BAY)	PIMENTA ACRIS (BAY)	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA ACRIS (BAY)	PIMENTA ACRIS (BAY)	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA ACRIS (BAY)	PIMENTA ACRIS (BAY)	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
PIMENTA ACRIS (BAY) FRUIT EXTRACT	PIMENTA ACRIS (BAY) FRUIT EXTRACT	91721-75- 4	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA ACRIS (BAY) FRUIT EXTRACT	PIMENTA ACRIS (BAY) FRUIT EXTRACT	91721-75- 4	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA ACRIS (BAY) FRUIT EXTRACT	PIMENTA ACRIS (BAY) FRUIT EXTRACT	91721-75- 4	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PIMENTA ACRIS (BAY) FRUIT EXTRACT	PIMENTA ACRIS (BAY) FRUIT OIL	91721-75- 4	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	-
PIMENTA ACRIS (BAY) FRUIT EXTRACT	PIMENTA ACRIS (BAY) FRUIT OIL	91721-75- 4	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA ACRIS (BAY) FRUIT EXTRACT	PIMENTA ACRIS (BAY) FRUIT OIL	91721-75- 4	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
PIMENTA ACRIS (BAY) FRUIT OIL	PIMENTA ACRIS (BAY) FRUIT OIL	91721-75- 4	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA ACRIS (BAY) FRUIT OIL	PIMENTA ACRIS (BAY) FRUIT OIL	91721-75- 4	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA ACRIS (BAY) FRUIT OIL	PIMENTA ACRIS (BAY) FRUIT OIL	91721-75- 4	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
PIMENTA ACRIS (BAY) LEAF OIL	PIMENTA ACRIS (BAY) LEAF OIL	8006-78- 8	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PIMENTA ACRIS (BAY) LEAF OIL	PIMENTA ACRIS (BAY) LEAF OIL	8006-78- 8	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA ACRIS (BAY) LEAF OIL	PIMENTA ACRIS (BAY) LEAF OIL	8006-78- 8	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
PIMENTA DIOICA (ALLSPICE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PIMENTA DIOICA (ALLSPICE)	PIMENTA DIOICA (ALLSPICE)	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA DIOICA (ALLSPICE)	PIMENTA DIOICA (ALLSPICE)	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA DIOICA (ALLSPICE) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PIMENTA DIOICA (ALLSPICE) EXTRACT	PIMENTA DIOICA (ALLSPICE) EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA DIOICA (ALLSPICE) EXTRACT	PIMENTA DIOICA (ALLSPICE) EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PIMENTA DIOICA (ALLSPICE) FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PIMENTA DIOICA (ALLSPICE) FRUIT EXTRACT	PIMENTA DIOICA (ALLSPICE) FRUIT EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA DIOICA (ALLSPICE) FRUIT EXTRACT	PIMENTA DIOICA (ALLSPICE) FRUIT EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA DIOICA (ALLSPICE) LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PIMENTA DIOICA (ALLSPICE) LEAF EXTRACT	PIMENTA DIOICA (ALLSPICE) LEAF EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA DIOICA (ALLSPICE) LEAF EXTRACT	PIMENTA DIOICA (ALLSPICE) LEAF EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 7B) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA DIOICA (ALLSPICE) OIL	Linalool, contact allergen for eczema products	8006-77- 7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PIMENTA DIOICA (ALLSPICE) OIL	PIMENTA DIOICA (ALLSPICE) OIL	8006-77- 7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA DIOICA (ALLSPICE) OIL	PIMENTA DIOICA (ALLSPICE) OIL	8006-77- 7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PIMENTA DIOICA (ALLSPICE) POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PIMENTA OFFICINALIS (PIMENTO)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PIMENTA OFFICINALIS (PIMENTO)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PIMENTA OFFICINALIS (PIMENTO)	PIMENTA OFFICINALIS (PIMENTO)	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA OFFICINALIS (PIMENTO)	PIMENTA OFFICINALIS (PIMENTO)	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 7B) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA OFFICINALIS (PIMENTO) EXTRACT	Linalool, contact allergen for eczema products	84929-57 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
PIMENTA OFFICINALIS (PIMENTO) EXTRACT	PIMENTA OFFICINALIS (PIMENTO) EXTRACT	84929-57 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA OFFICINALIS (PIMENTO) EXTRACT	PIMENTA OFFICINALIS (PIMENTO) EXTRACT	84929-57 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA OFFICINALIS (PIMENTO) EXTRACT	PIMENTA OFFICINALIS (PIMENTO) EXTRACT	84929-57 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PIMENTA OFFICINALIS (PIMENTO) EXTRACT	PIMENTA OFFICINALIS (PIMENTO) EXTRACT	84929-57 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMENTA OFFICINALIS (PIMENTO) LEAF OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PIMENTA OFFICINALIS (PIMENTO) LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
PIMENTA OFFICINALIS (PIMENTO) LEAF OIL	PIMENTA OFFICINALIS (PIMENTO) LEAF OIL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PIMENTA OFFICINALIS (PIMENTO) LEAF OIL	PIMENTA OFFICINALIS (PIMENTO) LEAF OIL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PIMPINELLA ANISUM (ANISE) FRUIT OIL	PIMPINELLA ANISUM (ANISE) FRUIT OIL	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
PIMPINELLA ANISUM (ANISE) SEED EXTRACT	PIMPINELLA ANISUM (ANISE) SEED EXTRACT	0	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PIMPINELLA ANISUM (ANISE) SEED OIL	PIMPINELLA ANISUM FRUIT EXTRACT	84775-42 -8	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
PIMPINELLA ANISUM FRUIT EXTRACT	PIMPINELLA ANISUM FRUIT EXTRACT	84775-42 -8	Estragole is restricted to 0.01% or less in the finished product if indicated by the International Fragrance Association (using the IFRA 49th Amendment Categories): Category 1) 0.012 % Category 2) 0.023 % Category 3) 0.012 % Category 4) 0.42 % Category 5A) 0.075 % Category 5B) 0.0062 % Category 5C) 0.012 % Category 5D) 0.0021 % Category 6) 0.031 % Category 7A) 0.012 % Category 7B) 0.012 % Category 8) 0.0021 % Category 9) 0.050 % Category 10A) 0.050 % Category 10B) 0.050 % Category 11A) 0.0021 % Category 11B) 0.0021 % Category 12) 1.5 %.	
PINK FRENCH CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
PINUS BANKSIANA (JACK PINE) BARK EXTRACT	PINUS STROBUS (WHITE PINE) BARK EXTRACT	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS CEMBRA TWIG LEAF EXTRACT	PINUS CEMBRA TWIG LEAF EXTRACT	92202-04 -5	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS CEMBRA TWIG LEAF EXTRACT	PINUS CEMBRA TWIG LEAF OIL	92202-04 -5	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS CEMBRA TWIG LEAF EXTRACT ACETYLATED	PINUS CEMBRA TWIG LEAF EXTRACT ACETYLATED	94334-26 -6	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS CEMBRA TWIG LEAF OIL	PINUS CEMBRA TWIG LEAF OIL	92202-04 -5	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO LEAF OIL	Pinus mugo leaf and twig oil and extract	90082-72 -7	The presence of the substance or substances shall be indicated as 'Pinus Mugo Leaf and Twig Oil and Extract' in the list of ingredients, when the concentration of the substance or substances exceeds: 0.001% in leave-on products and 0.01% in rinse-off products. The peroxide value for each substance shall be less than 10 mmoles/L	
PINUS MUGO LEAF OIL	PINUS MUGO LEAF OIL	90082-72 -7	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO LEAF OIL	PINUS MUGO TWIG LEAF EXTRACT	90082-72 -7	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO LEAF OIL	PINUS MUGO TWIG OIL	90082-72 -7	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO PUMILIO TWIG LEAF EXTRACT	PINUS MUGO PUMILIO TWIG LEAF EXTRACT	90082-73 -8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PINUS MUGO PUMILIO TWIG LEAF EXTRACT	PINUS MUGO PUMILIO TWIG LEAF OIL	90082-73 -8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO PUMILIO TWIG LEAF OIL	PINUS MUGO PUMILIO TWIG LEAF OIL	90082-73 -8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO TWIG LEAF EXTRACT	PINUS MUGO LEAF OIL	90082-72 -7	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO TWIG LEAF EXTRACT	PINUS MUGO TWIG LEAF EXTRACT	90082-72 -7	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO TWIG LEAF EXTRACT	PINUS MUGO TWIG OIL	90082-72 -7	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS MUGO TWIG OIL	PINUS MUGO TWIG OIL	90082-72 -7	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS NIGRA TWIG LEAF EXTRACT	PINUS NIGRA TWIG LEAF EXTRACT	90082-74 -9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS NIGRA TWIG LEAF EXTRACT	PINUS NIGRA TWIG LEAF OIL	90082-74 -9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS NIGRA TWIG LEAF OIL	PINUS NIGRA TWIG LEAF OIL	90082-74 -9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS (LONGLEAF PINE) OIL	PINUS PALUSTRIS (LONGLEAF PINE) OIL	8002-09- 3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS (LONGLEAF PINE) OIL	PINUS PALUSTRIS (PITCH PINE)	8002-09- 3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS (PITCH PINE)	PINUS PALUSTRIS (PITCH PINE)	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS LEAF EXTRACT	PINUS PALUSTRIS LEAF EXTRACT	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS LEAF EXTRACT	PINUS PALUSTRIS TWIG LEAF EXTRACT	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS LEAF EXTRACT	PINUS PALUSTRIS TWIG LEAF OIL	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS TWIG LEAF EXTRACT	PINUS PALUSTRIS LEAF EXTRACT	97435-14 -8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS TWIG LEAF EXTRACT	PINUS PALUSTRIS TWIG LEAF EXTRACT	97435-14 -8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PINUS PALUSTRIS TWIG LEAF EXTRACT	PINUS PALUSTRIS TWIG LEAF OIL	97435-14 -8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PALUSTRIS TWIG LEAF OIL	PINUS PALUSTRIS TWIG LEAF OIL	97435-14 -8	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PINASTER TWIG LEAF EXTRACT	PINUS PINASTER TWIG LEAF EXTRACT	90082-75 -0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PINASTER TWIG LEAF EXTRACT	PINUS PINASTER TWIG LEAF OIL	90082-75 -0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PINASTER TWIG LEAF OIL	PINUS PINASTER TWIG LEAF OIL	90082-75 -0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PUMILA TWIG LEAF EXTRACT	PINUS PUMILA TWIG LEAF EXTRACT	97676-05 -6	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PUMILA TWIG LEAF EXTRACT	PINUS PUMILA TWIG LEAF OIL	97676-05 -6	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS PUMILA TWIG LEAF OIL	PINUS PUMILA TWIG LEAF OIL	97676-05 -6	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS STROBUS (WHITE PINE) BARK EXTRACT	PINUS STROBUS (WHITE PINE) BARK EXTRACT	90082-77 -2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS STROBUS (WHITE PINE) CONE EXTRACT	PINUS STROBUS (WHITE PINE) CONE EXTRACT	94266-48 -5	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS SYLVESTRIS (SCOT'S PINE) BARK EXTRACT	PINUS SYLVESTRIS (SCOT'S PINE) BARK EXTRACT	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS SYLVESTRIS (SCOT'S PINE) BUD EXTRACT	PINUS SYLVESTRIS (SCOT'S PINE) BUD EXTRACT	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS SYLVESTRIS (SCOT'S PINE) CONE EXTRACT	PINUS SYLVESTRIS (SCOT'S PINE) CONE EXTRACT	94266-48 -5	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS SYLVESTRIS (SCOT'S PINE) LEAF EXTRACT	PINUS SYLVESTRIS (SCOT'S PINE) BARK EXTRACT	84012-35 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS SYLVESTRIS (SCOT'S PINE) LEAF EXTRACT	PINUS SYLVESTRIS (SCOT'S PINE) BUD EXTRACT	84012-35 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS SYLVESTRIS (SCOT'S PINE) LEAF EXTRACT	PINUS SYLVESTRIS (SCOT'S PINE) LEAF EXTRACT	84012-35 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS SYLVESTRIS (SCOT'S PINE) LEAF EXTRACT	PINUS SYLVESTRIS LEAF WATER	84012-35 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PINUS SYLVESTRIS (SCOT'S PINE) LEAF OIL	PINUS SYLVESTRIS (SCOT'S PINE) LEAF OIL	8023-99- 2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PINUS SYLVESTRIS LEAF WATER	PINUS SYLVESTRIS LEAF WATER	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
PIPERAZINE, CITRATE (3:2)	Piperazine Citrate	144-29-6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PIROCTONE OLAMINE	PIROCTONE OLAMINE	68890-66 -4	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
PIROCTONE OLAMINE	PIROCTONE OLAMINE	68890-66 -4	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
PISTACIA LENTISCUS (MASTIC) GUM	PISTACIA LENTISCUS (MASTIC) GUM	61789-92- 2	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PISTACIA LENTISCUS (MASTIC) GUM	PISTACIA LENTISCUS (MASTIC) GUM	61789-92- 2	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PISTACIA LENTISCUS LEAF EXTRACT	PISTACIA LENTISCUS LEAF EXTRACT	90082-82 -9	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PISTACIA LENTISCUS LEAF EXTRACT	PISTACIA LENTISCUS LEAF EXTRACT	90082-82 -9	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PISTACIA LENTISCUS LEAF EXTRACT	PISTACIA LENTISCUS LEAF OIL	90082-82 -9	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PISTACIA LENTISCUS LEAF EXTRACT	PISTACIA LENTISCUS LEAF OIL	90082-82 -9	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PISTACIA LENTISCUS LEAF OIL	PISTACIA LENTISCUS LEAF OIL	90082-82 -9	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PISTACIA LENTISCUS LEAF OIL	PISTACIA LENTISCUS LEAF OIL	90082-82 -9	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PISTACIA LENTISCUS LEAF WAX	PISTACIA LENTISCUS LEAF OIL	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
PISTACIA LENTISCUS LEAF WAX	PISTACIA LENTISCUS LEAF OIL	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
PISTACIA VERA (PISTACHIO NUT) SEED OIL	Pistacia vera seed oil	129871-0 1-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%	
PLANTAGO OVATA	Psyllium	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PLUKENETIA VOLUBILIS SEED OIL	Plukenetia Volubilis Seed Oil	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.6%	
POGOSTEMON CABLIN (PATCHOULI) OIL	Pogostemon cablin oil	8014-09- 3	The presence of Pogostemon cablin oil shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
POLIANTHES TUBEROSA CALLUS EXTRACT	POLIANTHES TUBEROSA CALLUS EXTRACT	94334-35 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POLIANTHES TUBEROSA CALLUS EXTRACT	POLIANTHES TUBEROSA CALLUS EXTRACT	94334-35 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
POLIANTHES TUBEROSA CALLUS EXTRACT	POLIANTHES TUBEROSA EXTRACT	94334-35 -7	P. tuberosa extract contains methyl eugenol (CAS: 93152), which the EU restricts in cosmetics and is an EWG unacceptable ingredient due to cancer hazard. Products containing P. tuberosa must not contain detectable levels of methyl eugenol.	
POLIANTHES TUBEROSA EXTRACT	POLIANTHES TUBEROSA CALLUS EXTRACT	94334-35 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
POLIANTHES TUBEROSA EXTRACT	POLIANTHES TUBEROSA CALLUS EXTRACT	94334-35 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
POLIANTHES TUBEROSA EXTRACT	POLIANTHES TUBEROSA EXTRACT	94334-35 -7	P. tuberosa extract contains methyl eugenol (CAS: 93152), which the EU restricts in cosmetics and is an EWG unacceptable ingredient due to cancer hazard. Products containing P. tuberosa must not contain detectable levels of methyl eugenol.	
POLIANTHES TUBEROSA EXTRACT	POLIANTHES TUBEROSA EXTRACT	94334-35 -7	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
POLIANTHES TUBEROSA EXTRACT	POLIANTHES TUBEROSA EXTRACT	94334-35 -7	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
POLIANTHES TUBEROSA FLOWER WAX	POLIANTHES TUBEROSA EXTRACT	0	P. tuberosa extract contains methyl eugenol (CAS: 93152), which the EU restricts in cosmetics and is an EWG unacceptable ingredient due to cancer hazard. Products containing P. tuberosa must not contain detectable levels of methyl eugenol.	
POLIANTHES TUBEROSA POLYSACCHARIDE	POLIANTHES TUBEROSA EXTRACT	0	P. tuberosa extract contains methyl eugenol (CAS: 93152), which the EU restricts in cosmetics and is an EWG unacceptable ingredient due to cancer hazard. Products containing P. tuberosa must not contain detectable levels of methyl eugenol.	
POLIANTHES TUBEROSA POLYSACCHARIDE	POLIANTHES TUBEROSA POLYSACCHARIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POLOXAMER 101	POLOXAMER 101	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 105	POLOXAMER 105	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 105 BENZOATE	POLOXAMER 105 BENZOATE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 108	POLOXAMER 108	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 122	POLOXAMER 122	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 123	POLOXAMER 123	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 124	POLOXAMER 124	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLOXAMER 124	POLOXAMER 124	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 181	POLOXAMER 181	9003-11- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLOXAMER 181	POLOXAMER 181	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 182	POLOXAMER 182	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 182 DIBENZOATE	POLOXAMER 182 DIBENZOATE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 183	POLOXAMER 183	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	

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POLOXAMER 184	POLOXAMER 184	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 185	POLOXAMER 185	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 9%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 188	POLOXAMER 188	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 212	POLOXAMER 212	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 215	POLOXAMER 215	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 217	POLOXAMER 217	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 231	POLOXAMER 231	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 234	POLOXAMER 234	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 235	POLOXAMER 235	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 237	POLOXAMER 237	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 238	POLOXAMER 238	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 282	POLOXAMER 282	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 284	POLOXAMER 284	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POLOXAMER 288	POLOXAMER 288	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 331	POLOXAMER 331	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 333	POLOXAMER 333	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 334	POLOXAMER 334	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 335	POLOXAMER 335	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 338	POLOXAMER 338	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 401	POLOXAMER 401	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 402	POLOXAMER 402	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 403	POLOXAMER 403	9003-11- 6	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLOXAMER 407	POLOXAMER 407	9003-11- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 20%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: aldehydes, formic acid, acetic acid, 1,4dioxane, residual ethylene oxide, and residual propylene oxide	
POLY C10-30 ALKYL ACRYLATE	POLY C10-30 ALKYL ACRYLATE	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POLY C10-30 ALKYL ACRYLATE	POLY C10-30 ALKYL ACRYLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Poly(oxy-1,2-ethanediyl), .alpha;(4-nonylphenyl)ome ga;hydroxy-,branched	Poly(oxy1,2ethanediyl), .alpha;.(4nonylphenyl).ome ga;.hydroxy,branched	127087-8 7-0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLY(OXY-1,2-ETHANEDIYL), .ALPHA;(NONYLPHENYL)O MEGA;HYDROXY-, BRANCHED	Poly(oxy1,2ethanediyl), .alpha;.(nonylphenyl).omeg a;.hydroxy, branched	68412-54 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLY(OXY-1,2-ETHANEDIYL), .ALPHA;(OCTYLPHENYL)O MEGA;HYDROXY-, BRANCHED	Poly(oxy1,2ethanediyl), .alpha;.(octylphenyl).omega ;.hydroxy, branched	68987-90 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLY(OXY-1,2-ETHANEDIYL), ALPHA-ISODECYL-OMEGA-H YDROXY-	Poly(Oxy1,2Ethanediyl), AlphaIsodecylOmegaHydro xy	61827-42 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLY(OXY-1,2-ETHANEDIYL), ALPHA,ALPHA'-((OCTADECYL IMINO)DI-2,1-ETHANEDIYL) BIS(OMEGA-HYDROXY-	Poly(Oxy1,2Ethanediyl), Alpha,alpha'((Octadecylimi no)di2,1Ethanediyl)bis(Ome gaHydroxy	26635-92 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLY(OXY-1,2-ETHANEDIYL), ALPHA,ALPHA',ALPHA",ALPH A'''-(1,2-ETHANEDIYLBIS(NIT RILODI-2,1-	Poly(Oxy1,2Ethanediyl), Alpha,alpha',alpha'',alpha'''( 1,2Ethanediylbis(Nitrilodi2,1	27014-42 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYACRLYAMIDE C 13-14 ISOPARAFFIN LAURETH-7	Polyacrlyamide C 1314 Isoparaffin Laureth7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYACRYAMIDE/ ISOPARRAFIN/ LAURETH-7	Polyacryamide/ Isoparrafin/ Laureth7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYACRYLAMIDE	POLYACRYLAMIDE	9003-05- 8	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYACRYLAMIDE	POLYACRYLAMIDE	9003-05- 8	The Cosmetic Ingredient Review restricts the acrylamide monomer conent of this ingredient to a maximum concentration of 5 ppm.	
POLYACRYLATE-10	POLYACRYLATE10	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYACRYLATE-11	POLYACRYLATE11	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYACRYLATE-12	POLYACRYLATE-12	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYACRYLATE-13	POLYACRYLATE13	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POLYACRYLATE-14	POLYACRYLATE-14	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating	
POLYACRYLATE-14	POLYACRYLATE-14	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
POLYACRYLATE-15	POLYACRYLATE-15	67892-91- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
POLYACRYLATE-16	POLYACRYLATE-16	0	The Cosmetic Ingredient Review found this substance	
POLYACRYLATE-18	POLYACRYLATE-18	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
POLYACRYLATE-2	POLYACRYLATE-2	31759-42 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
POLYACRYLATE-2	POLYACRYLATE2	31759-42 -9	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYACRYLATE-5	POLYACRYLATE-5	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYACRYLATE-7	POLYACRYLATE7	243140-3 3-2	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYACRYLIC ACID	POLYACRYLIC ACID	9003-01- 4	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POLYAMIDE	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
POLYAMINO SUGAR CONDENSATE	POLYAMINO SUGAR CONDENSATE	120022-9 2-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
POLYBUTENE	POLYBUTENE	9003-28- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 82%	
POLYBUTYL ACRYLATE	POLYBUTYL ACRYLATE	9003-49- 0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POLYBUTYL ACRYLATE	POLYBUTYL ACRYLATE	9003-49- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYBUTYL METHACRYLATE	POLYBUTYL METHACRYLATE	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POLYBUTYL METHACRYLATE	POLYBUTYL METHACRYLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYDECENE	POLYDECENE	37309-58 -3	The Cosmetic Ingredient Review found this substance	
POLYDIMETHYLSILOXY PEG/PPG-24/19 BUTYL ETHER SILSESQUIOXANE	Polydimethylsiloxy Peg/ppg24/19 Butyl Ether Silsesquioxane	68554-65 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYDIMETHYLSILOXY PEG/PPG-24/19 BUTYL ETHER SILSESQUIOXANE	Polydimethylsiloxy Peg/ppg24/19 Butyl Ether Silsesquioxane	68554-65 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.023%	
POLYDIMETHYLSILOXY PPG-13 BUTYL ETHER SILSESQUIOXANE	POLYDIMETHYLSILOXY PPG-13 BUTYL ETHER SILSESQUIOXANE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYESTER	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
POLYESTER FIBER	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
polyester substrate	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
POLYESTER/EPOXY/CALCIU M SODIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
POLYESTER/EPOXY/CALCIU M SODIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
POLYETHYLACRYLATE	POLYETHYLACRYLATE	9003-32- 1	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POLYETHYLACRYLATE	POLYETHYLACRYLATE	9003-32- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYETHYLENE	Wipe substrates	9002-88- 4	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
POLYETHYLENE BEADS	Polyethylene Beads	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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POLYETHYLENE GLYCOL	Polyethylene Glycol	25322-68 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYETHYLENE GLYCOL MONOSTEARATE 1000	Polyethylene Glycol Monostearate 1000	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Polyethylene glycol octylphenol ether;	Polyethylene Glycol Octylphenol Ether	9002-93- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Polyethylene glycol octylphenol ether;	Polyethylene Glycol Octylphenol Ether;	9002-93- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Polyethylene Glycol Polyester	Wipe substrates	9016-88- 0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
POLYETHYLENE HDI/ TRIMETHYLOL HEXYLLACTONE CROSSPOLYMER	Polyethylene Hdi/ Trimethylol Hexyllactone Crosspolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYETHYLENE HYDROXYETHYLCELLULOSE	Polyethylene Hydroxyethylcellulose	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYETHYLENE POLYGLYCERYL-4 ISOSTEARATE	Polyethylene Polyglyceryl4 Isostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYETHYLENE TEREPHTHALATE	Wipe substrates	25038-59 -9	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
POLYETHYLENE/ISOPROPYL MALEATE/MA COPOLYOL	Polyethylene/isopropyl Maleate/ma Copolyol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Polyethyleneglycol isotridecyl Ether	Polyethyleneglycol Isotridecyl Ether	9043-30- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Polyethyleneimine ethoxylates	Polyethyleneimine Ethoxylates	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Polyethyleneimine Propoxyethoxylate	Polyethyleneimine Propoxyethoxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYGLYCERYL-10 DODECACAPRYLATE/CAPRA TE	POLYGLYCERYL-10 DODECACAPRYLATE/CAPR ATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYGLYCERYL-10 LAURATE	POLYGLYCERYL-10 LAURATE	34406-66 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6.5%.	
POLYGLYCERYL-2 LANOLIN ALCOHOL ETHER	POLYGLYCERYL-2 LANOLIN ALCOHOL ETHER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYGLYCERYL-2 STEARATE	Polyglyceryl2 Stearate	9009-32- 9	The Cosmetic Ingredient Review has determined this ingredient to be safe as used when formulated to be nonirritating up to a concentration of 2.2%.	
POLYGLYCERYL-2 TRIISOSTEARATE	POLYGLYCERYL2 TRIISOSTEARATE	120486-2 4-0	The Cosmetic Ingredient Review has determined this ingredient to be safe as used when formulated to be nonirritating up to a concentration of 40%.	
POLYGLYCERYL-2-PEG-4 STEARATE	Polyglyceryl2Peg4 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYGLYCERYL-3 DIHYDROXY STEARATE	POLYGLYCERYL-3 DIHYDROXY STEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYGLYCERYL-3 DISILOXANE DIMETHICONE	POLYGLYCERYL-3 DISILOXANE DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
POLYGLYCERYL-3 POLYDIMETHYLSILOXYETHY L DIMETHICONE	POLYGLYCERYL-3 POLYDIMETHYLSILOXYET HYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
POLYGLYCERYL-4 CAPRATE	Polyglyceryl4 Caprate	160391-9 3-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when formulated to be nonirritating up to 1.5%.	
POLYGLYCERYL-4 ISOSTEARATE	POLYGLYCERYL-4 ISOSTEARATE	91824-88 -3	The Cosmetic Ingredient Review Expert Panel concluded this ingredient is safe as used at concentrations < 24.1%	
POLYGLYCERYL-4-PEG-2 COCAMIDE	POLYGLYCERYL-4-PEG-2 COCAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYGLYCERYL-4-PEG-2 COCAMIDE	Polyglyceryl4Peg2 Cocamide	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYGLYCERYL-8 DECAERUCATE/DECAISOSTE ARATE/DECARICINOLE ATE	POLYGLYCERYL-8 DECAERUCATE/DECAISOS TEARATE/DECARICINOLE ATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYHYDROXYETHYLMETHA CRYLATE	POLYHYDROXYETHYLMET HACRYLATE	25249-16 -5	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	

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POLYHYDROXYETHYLMETHA CRYLATE	POLYHYDROXYETHYLMET HACRYLATE	25249-16 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYHYDROXYSTEARIC ACID	POLYHYDROXYSTEARIC ACID	27924-99 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 14.2%.	Х
POLYISOPRENE	POLYISOPRENE	9003-31- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYMETHYL ACRYLATE	POLYMETHYL ACRYLATE	9003-21- 8	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POLYMETHYL ACRYLATE	POLYMETHYL ACRYLATE	9003-21- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYMETHYL METHACRYLATE	Polymethyl Methacrylate	87210-32 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
POLYMETHYL METHACRYLATE	POLYMETHYL METHACRYLATE	87210-32 -0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POLYMETHYLMETHACRYLAT E	Polymethyl Methacrylate	9011-14- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
POLYOX PEG 7M	Polyox Peg 7m	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYOXYETHYLENE CETYL STEARYL DIETHER	Polyoxyethylene Cetyl Stearyl Diether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYOXYETHYLENE GLYCOL DIMERCAPTOACETATE	Polyoxyethylene Glycol Dimercaptoacetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYOXYETHYLENE POLYOXYPROPYLENE GLYCOL	Polyoxyethylene Polyoxypropylene Glycol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYPENTAERYTHRITYL TEREPHTHALATE	POLYPENTAERYTHRITYL TEREPHTHALATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYPENTENE	POLYPENTENE	9078-70- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

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POLYPERFLUOROETHOXYME THOXY DIFLUOROETHYL PEG DIISOSTEARATE	Polyperfluoroethoxymethox y Difluoroethyl Peg Diisostearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYPERFLUOROETHOXYME THOXY PEG-2 PHOSPHATE	Polyperfluoroethoxymethox y Peg2 Phosphate	162567-7 4-0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYPROPYL METHACRYLATE	POLYPROPYL METHACRYLATE	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POLYPROPYL METHACRYLATE	POLYPROPYL METHACRYLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYPROPYLENE	POLYPROPYLENE	9003-07- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYPROPYLENE	Polypropylene, Heated	9003-07- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
POLYPROPYLENE	Wipe substrates	9003-07- 0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
POLYPROPYLENE TEREPHTHALATE	POLYPROPYLENE TEREPHTHALATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYPROPYLSILSESQUIOXA	Polypropylsilsesquioxane	36088-62 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
POLYQUATERNIUM-10	POLYQUATERNIUM-10	68610-92 -4	The Consumer Ingredient Review Expert Panel concluded that Polyquaternium-10 is safe as a cosmetic ingredient in the present practices of use at concentrations < 5%	
POLYQUATERNIUM-10	POLYQUATERNIUM10	68610-92 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
POLYQUATERNIUM-11	POLYQUATERNIUM11	53633-54 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
POLYQUATERNIUM-15	POLYQUATERNIUM15	35429-19 -7	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYQUATERNIUM-32	POLYQUATERNIUM32	35429-19 -7	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYQUATERNIUM-33	POLYQUATERNIUM33	69418-26 -4	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYQUATERNIUM-39	Polyquaternium39	25136-75 -8	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYQUATERNIUM-43	POLYQUATERNIUM43	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	

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POLYQUATERNIUM-5	POLYQUATERNIUM5	26006-22 -4	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYQUATERNIUM-53	POLYQUATERNIUM53	84647-38 -1	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYQUATERNIUM-6	POLYQUATERNIUM-6	26062-79 -3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYQUATERNIUM-63	POLYQUATERNIUM63	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYQUATERNIUM-7	POLYQUATERNIUM7	26590-05 -6	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POLYQUATERNIUM-7	POLYQUATERNIUM7	26590-05 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.4%	
POLYSILICONE-11	POLYSILICONE-11	63394-02 -5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 19.9%.	
POLYSILICONE-11	Polysilicone-11	63394-02 -5	The Expert Panel for Cosmetic Ingredient Safety concluded that Polysilicone-11 is safe in cosmetics in the present practices of use at concentrations < 20%	
POLYSILICONE-13	POLYSILICONE-13	158451-7 7-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYSILICONE-15	Dimethicodiethylbenzalmal onate	207574-7 4-1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in rinseoff products (not applied to mucosa).	
POLYSILICONE-15	Dimethicodiethylbenzalmal onate	207574-7 4-1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in products meant to be applied to the mucosa.	
POLYSILICONE-15	Dimethicodiethylbenzalmal onate	207574-7 4-1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 10% in leaveon products (not applied to mucosa).	
POLYSILICONE-15	POLYSILICONE-15	207574-7 4-1	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
POLYSILICONE-15	POLYSILICONE-15	207574-7 4-1	The European Commission SCCS Opinion considers this ingredient safe as used at maximum concentration of 10% in all non-spray cosmetic products (dermal applications only). For pressurized sprays, the SCCS opinion considers safe as use at a maximum concentration is 0.1%. Note, this ingredient is not a currently approved active by the FDA for use in U.S sunscreens.	
POLYSILICONE-2	Polysilicone2	0	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe in cosmetics when used as surface modifiers (i.e. encapsulating metal oxides), and there is insufficient data to determine the safety of these ingredients when used independently or for other functions.	
POLYSILICONE-4	Polysilicone4	0	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe in cosmetics when used as surface modifiers (i.e. encapsulating metal oxides), and there is insufficient data to determine the safety of these ingredients when used independently or for other functions.	
POLYSILICONE-5	Polysilicone5	0	(*) The Cosmetic Ingredient Review has determined that this ingredient is safe in cosmetics when used as surface modifiers (i.e. encapsulating metal oxides), and there is insufficient data to determine the safety of these ingredients when used independently or for other functions.	

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POLYSORBATE 21	POLYSORBATE 21	9005-64- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYSORBATE 61	POLYSORBATE 61	9005-67- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYSORBATE 65	POLYSORBATE 65	9005-71- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYSORBATE 81	POLYSORBATE 81	9005-65- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating	
POLYSORBATE-20	POLYSORBATE-20	9005-64- 5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 19.6% and when formulated to be non-irritating.	
POLYSORBATE-20	POLYSORBATE20	9005-64- 5	The U.S. Food & Drug Administration has identified 1,4-dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4-dioxane cannot exceed 1 ppm in the final product.	
POLYSORBATE-40	PEG80 SORBITAN PALMITATE	9005-66- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYSORBATE-40	POLYSORBATE-40	9005-66- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYSORBATE-40	POLYSORBATE40	9005-66- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYSORBATE-60	POLYSORBATE-60	9005-67- 8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 6% and when formulated to be non-irritating.	
POLYSORBATE-60	POLYSORBATE60	9005-67- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYSORBATE-80	POLYSORBATE-80	9005-65- 6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 18.1% and when formulated to be non-irritating.	
POLYSORBATE-80	POLYSORBATE80	9005-65- 6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYSORBATE-85	Peg2 Sorbitan Trioleate	9005-70- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POLYSORBATE-85	POLYSORBATE-85	9005-70- 3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POLYSTYRENE	POLYSTYRENE	9003-53- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYSTYRENE HYDROGENATED POLYISOPENTENE COPOLYMER	POLYSTYRENE HYDROGENATED POLYISOPENTENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

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POLYURETHANE	Wipe substrates	9009-54- 5	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
POLYURETHANE-1	Polyurethane1	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 15%	
POLYURETHANE-10	Polyurethane10	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
POLYURETHANE-11	Polyurethane11	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 5%	
POLYURETHANE-12	POLYURETHANE-12	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-13	POLYURETHANE-13	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-14	Polyurethane14	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
POLYURETHANE-15	Polyurethane15	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.2%	
POLYURETHANE-16	Polyurethane16	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.98%	
POLYURETHANE-17	POLYURETHANE-17	347175-7 8-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-17	POLYURETHANE17	347175-7 8-4	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
POLYURETHANE-2	Polyurethane2	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 9%	
POLYURETHANE-20	POLYURETHANE-20	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-21	POLYURETHANE-21	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-21	POLYURETHANE21	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
POLYURETHANE-35	Polyurethane35	0	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 7%.	
POLYURETHANE-4	POLYURETHANE-4	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-5	POLYURETHANE-5	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-6	Polyurethane6	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 6%	
POLYURETHANE-7	POLYURETHANE-7	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-8	POLYURETHANE-8	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYURETHANE-9	POLYURETHANE-9	69011-31- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POLYVINYL ALCOHOL	Polyvinyl alcohol	9002-89- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
POLYVINYL CHLORIDE	Polyvinyl Chloride	9002-86- 2	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	

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POLYVINYL CHLORIDE	Polyvinyl Chloride (Nonheated)	9002-86- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
POLYVINYL CHLORIDE	Wipe substrates	9002-86- 2	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
Polyvinylpolypyrrolidone	Polyvinylpolypyrrolidone	9003-39- 8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 35%.	
PORPHYRA UMBILICALIS (RED ALGAE) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
PORPHYRA UMBILICALIS (RED ALGAE) EXTRACT	PORPHYRA UMBILICALIS (RED ALGAE) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.0035%.	
PORPHYRA UMBILICALIS POWDER	PORPHYRA UMBILICALIS POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PORPHYRA YEZOENSIS (ALGAE) LEAF	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
PORPHYRIDIUM/ZINC FERMENT	PORPHYRIDIUM/ZINC FERMENT	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
POTASSIUM ACETATE	POTASSIUM ACETATE	127-08-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
POTASSIUM ACETATE	POTASSIUM ACETATE	127-08-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM ACRYLATES/ACRYLAMIDE COPOLYMER	POTASSIUM ACRYLATES/ACRYLAMIDE COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
POTASSIUM ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	POTASSIUM ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	86416-97 -9	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POTASSIUM ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	POTASSIUM ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	86416-97 -9	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POTASSIUM ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	Potassium Acrylates/C1030 Alkyl Acrylate Crosspolymer	86416-97 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.3%	
POTASSIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	POTASSIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	

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POTASSIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	POTASSIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM ALGINATE	POTASSIUM ALGINATE	9005-36- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM ALUM	Aluminum Compounds	7784-24- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
POTASSIUM ALUMINUM POLYACRYLATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
POTASSIUM ALUMINUM POLYACRYLATE	POTASSIUM ALUMINUM POLYACRYLATE	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POTASSIUM ASCORBYL TOCOPHERYL PHOSPHATE	POTASSIUM ASCORBYL TOCOPHERYL PHOSPHATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.02%.	
POTASSIUM ASCORBYL TOCOPHERYL PHOSPHATE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
POTASSIUM ASCORBYLBORATE	POTASSIUM ASCORBYLBORATE	0	The European Commission restricts this ingredient to a maximum concentration of 5% (as boric acid) in talc, but it cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). Additionally, the European Commission restricts its concentration to 0.1% (as boric acid) in oral products. For all other products (excluding bath products and hair waving products), the maximum concentration is restricted to 3% (as boric acid) and cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). For all product types, this ingredient cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). For all product types, this ingredient cannot be used for children under 3 years of age. Required Warning: The European Commission requires the following warning text on the label/package of talc products: 'Not to be used on peeling or irritated skin'. For oral products, the following are required on the product label/package: 'Not to be swallowed'; 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used on peeling or irritated skin'	
POTASSIUM ASPARTATE	POTASSIUM ASPARTATE	1115-63-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM BEHENATE	POTASSIUM BEHENATE	7211-53-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
POTASSIUM BENZOATE	Benzoate	582-25-2	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
POTASSIUM BENZOATE	POTASSIUM BENZOATE	582-25-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.0003%.	
POTASSIUM C11-15 ALKYL PHOSPHATE	POTASSIUM C11-15 ALKYL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM C12-14 ALKYL PHOSPHATE	POTASSIUM C12-14 ALKYL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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POTASSIUM C9-15 ALKYL PHOSPHATE	POTASSIUM C9-15 ALKYL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM CAPROYL TYROSINE	POTASSIUM CAPROYL TYROSINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM CARBOMER	POTASSIUM CARBOMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POTASSIUM CARBOMER	POTASSIUM CARBOMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM CARRAGEENAN	POTASSIUM CARRAGEENAN	64366-24 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM CASEINATE	POTASSIUM CASEINATE	68131-54 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM CASTORATE	POTASSIUM CASTORATE	8013-05- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
POTASSIUM CETYL PHOSPHATE	Potassium Cetyl Phosphate	19035-79 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8.3%.	
POTASSIUM CHLORATE	potassium chlorate	3811-04- 9	The European Commission restricts this ingredient to a maximum concentration of 5% in toothpastes and 3% in all other products.	
POTASSIUM CITRATE	POTASSIUM CITRATE	866-84-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.6%.	
POTASSIUM COCOATE	POTASSIUM COCOATE	61789-30 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 40%.	
POTASSIUM COCOYL GLUTAMATE	Potassium cocoyl alutamate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 12%	
POTASSIUM COCOYL GLYCINATE	Potassium Cocoyl Glycinate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 39%	
POTASSIUM COCOYL TAURATE	POTASSIUM COCOYL TAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM DECETH-4 PHOSPHATE	Potassium Deceth4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM DEXTRIN OCTENYLSUCCINATE	POTASSIUM DEXTRIN OCTENYLSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM DIMETHICONE	POTASSIUM DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
POTASSIUM DIMETHICONE COPOLYOL PANTHENYL PHOSPHATE	POTASSIUM DIMETHICONE COPOLYOL PANTHENYL PHOSPHATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POTASSIUM DIMETHICONE COPOLYOL PANTHENYL PHOSPHATE	POTASSIUM DIMETHICONE COPOLYOL PANTHENYL PHOSPHATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
POTASSIUM DIMETHICONE PEG-7 PANTHENYL PHOSPHATE	POTASSIUM DIMETHICONE PEG-7 PANTHENYL PHOSPHATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
POTASSIUM DIMETHICONE PEG-7 PANTHENYL PHOSPHATE	Potassium Dimethicone Peg7 Panthenyl Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM DIMETHICONE PEG-7 PHOSPHATE	POTASSIUM DIMETHICONE PEG-7 PHOSPHATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
POTASSIUM DIMETHICONE PEG-7 PHOSPHATE	Potassium Dimethicone Peg7 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM FLUORIDE	potassium fluoride	7789-23-3	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains potassium fluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
POTASSIUM FLUOROSILICATE	POTASSIUM FLUOROSILICATE	16871-90 -2	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains potassium fluorosilicate'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
POTASSIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	16871-90 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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POTASSIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	16871-90 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
POTASSIUM FRUCTOBORATE	POTASSIUM FRUCTOBORATE	0	The European Commission restricts this ingredient to a maximum concentration of 5% (as boric acid) in talc, but it cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). Additionally, the European Commission restricts its concentration to 0.1% (as boric acid) in oral products. For all other products (excluding bath products and hair waving products), the maximum concentration is restricted to 3% (as boric acid) and cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). For all product types, this ingredient cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). For all product types, this ingredient cannot be used for children under 3 years of age. Required Warning: The European Commission requires the following warning text on the label/package of talc products: 'Not to be used on peeling or irritated skin'. For oral products, the following are required on the product label/package: 'Not to be swallowed'; 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'No	
POTASSIUM GLUCONATE	POTASSIUM GLUCONATE	299-27-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM GLYCYRRHETINATE	POTASSIUM GLYCYRRHETINATE	85985-61 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: pesticides/PCB, toxic metals, and heavy metals.	
POTASSIUM HYDROGENATED TALLOWATE	POTASSIUM HYDROGENATED TALLOWATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
POTASSIUM HYDROXIDE	Potassium hydroxide	1310-58- 3	The European Commission restricts this ingredient to a maximum concentration of 5% in nail cuticle solvent, 2% in general use hair straighteners, and 4.5% in professional use hair straighteners (The quantity of sodium, potassium or lithium hydroxide is expressed as weight of sodium hydroxide. In cases of mixtures, the sum should not exceed the limits given 'Maximum concentration in ready for use preparation'). The European Commission also restricts final formulation pH up to 12.7 as a pH adjuster for depilatories and up to 11 for other uses. Required Warning: The European Commission requires the following warning text on the product label/package of nail cuticle solvents and general use hair straighteners: 'Contains alkali'; 'Avoid contact with eyes'; 'Can cause blindness'; Keep out of reach of children'. For professional use hair straighteners, the following are required on the label: 'Keep out of reach of children'; 'Avoid contact with eyes'	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POTASSIUM HYDROXIDE	Potassium hydroxide	1310-58- 3	The European Commission restricts this ingredient to a maximum concentration of 5% in nail cuticle solvent, 2% in general use hair straighteners, and 4.5% in professional use hair straighteners (The quantity of sodium, potassium or lithium hydroxide is expressed as weight of sodium hydroxide. In cases of mixtures, the sum should not exceed the limits given 'Maximum concentration in ready for use preparation'). The European Commission also restricts final formulation pH up to 12.7 as a pH adjuster for depilatories and up to 11 for other uses. Required Warning: The European Commission requires the following warning text on the product label/package of nail cuticle solvents and general use hair straighteners: 'Contains alkali'; 'Avoid contact with eyes'; 'Can cause blindness'; 'Keep out of reach of children'. For professional use hair straighteners, the following are required: 'Avoid contact with eyes'; 'Can cause blindness'. Lastly, as a pH adjuster for depilatories, the following are required on the label: 'Keep out of reach of children'; 'Avoid contact with eyes'	
POTASSIUM HYDROXIDE	Potassium hydroxide	1310-58- 3	(*) The Cosmetic Ingredient Review has determined that users should minimize skin contact for hair straighteners and depilatories that contain this ingredient.	
POTASSIUM HYDROXIDE	POTASSIUM HYDROXIDE	1310-58- 3	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 10% when formulated to be non-irritating.	
POTASSIUM HYDROXYSTEARATE	POTASSIUM HYDROXYSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
POTASSIUM ISOSTEARATE	POTASSIUM ISOSTEARATE	68413-46 -7	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <3%	
POTASSIUM LANOLATE	POTASSIUM LANOLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
POTASSIUM LAURATE	POTASSIUM LAURATE	10124-65 -9	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <9%	
POTASSIUM LAURETH PHOSPHATE	Potassium Laureth Phosphate	68954-87 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM LAURETH-10 CARBOXYLATE	Potassium Laureth10 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM LAURETH-3 CARBOXYLATE	Potassium Laureth3 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM LAURETH-4 CARBOXYLATE	Potassium Laureth4 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM LAURETH-5 CARBOXYLATE	Potassium Laureth5 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POTASSIUM LAURETH-6 CARBOXYLATE	Potassium Laureth6 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM LAUROYL COLLAGEN AMINO ACIDS	POTASSIUM LAUROYL COLLAGEN AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM LAUROYL GLUTAMATE	POTASSIUM LAUROYL GLUTAMATE	89187-78 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM LAUROYL WHEAT AMINO ACIDS	potassium lauroyl wheat amino acids	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.7%	
POTASSIUM LAURYL PHOSPHATE	POTASSIUM LAURYL PHOSPHATE	39322-78- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM LINOLEATE	POTASSIUM LINOLEATE	3414-89- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
POTASSIUM METABISULFITE	POTASSIUM METABISULFITE	4429-42- 9	The European Commission restricts this ingredient to a maximum concentration of 0.67% (as free SO2) in oxidative hair dyes, 6.7% (as free SO2) in hair straightening products, 0.45% (as free SO2) in selftanning face products, and 0.40% (as free SO2) in other selftanning products. For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent on the product label.	
POTASSIUM METABISULFITE	POTASSIUM METABISULFITE	4429-42- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM METHYL COCOYL TAURATE	POTASSIUM METHYL COCOYL TAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM MONOFLUOROPHOSPHATE	POTASSIUM MONOFLUOROPHOSPHATE	14104-28 -0	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains potassium monofluorophosphate'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
POTASSIUM MYRISTATE	POTASSIUM MYRISTATE	13429-27 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
POTASSIUM MYRISTOYL GLUTAMATE	Potassium Myristoyl Glutamate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 27%	
POTASSIUM OCTOXYNOL-12 PHOSPHATE	POTASSIUM OCTOXYNOL12 PHOSPHATE	68891-73 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.05%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: 1,4dioxane and ethylene oxide.	
POTASSIUM OLEATE	POTASSIUM OLEATE	143-18-0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <23%	
POTASSIUM PALM KERNELATE	POTASSIUM PALM KERNELATE	70969-43 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 30%	
POTASSIUM PALMATE	POTASSIUM PALMATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	

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POTASSIUM PALMITATE	POTASSIUM PALMITATE	2624-31- 9	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <21.1%	
POTASSIUM PARABEN	POTASSIUM PARABEN	16782-08 -4	Per COSING, the maximum concentration in RTU preparation is 0.4% (as acid) for single ester and 0.8% (as acid) for mixtures of esters.	
POTASSIUM PCA	POTASSIUM PCA	4810-50- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%	
POTASSIUM PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	POTASSIUM PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	Potassium Peg50 Hydrogenated Castor Oil Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM PERSULFATE	POTASSIUM PERSULFATE	7727-21-1	The Cosmetic Ingredient Review restricts the use of this ingredient to hair colorants and hair lighteners designed for brief discontinuous use followed by thorough rinsing. the available data are insufficient for determining the safety of these persulfates in leaveon products and dentifrices	
POTASSIUM POLYACRYLATE	POTASSIUM POLYACRYLATE	25608-12 -2	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
POTASSIUM SALICYLATE	POTASSIUM SALICYLATE	578-36-9	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
POTASSIUM SALICYLATE	POTASSIUM SALICYLATE	578-36-9	Per COSING, the maximum concentration in RTU preparation is 0.5%. This ingredient is not to be used in products for children under 3 years of age (except for shampoos), in oral products, or in applications that may lead to exposure of the end-user's lungs by inhalation.	
POTASSIUM SALICYLATE	Salicylic acid and its salts	578-36-9	Europe restricts this chemical: Maximum concentration in ready for use preparation: 0.5%; Not to be used in products for children under 3 years of age, except for shampoos. Required Warning: Required warning: Not to be used for children under 3 years of age***. ***Solely for products which might be used for children under 3 years of age and which remain in prolonged contact with the skin.	
POTASSIUM SILICATE	Silica, amorphous; silicate; borosilicate	1312-76-1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
POTASSIUM SILICATE	Silica, amorphous; silicate; borosilicate	1312-76-1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
POTASSIUM SORBATE	POTASSIUM SORBATE	590-00-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
POTASSIUM STEARATE	POTASSIUM STEARATE	593-29-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
POTASSIUM SULFIDE	potassium sulfide	1312-73-8	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
POTASSIUM SULFIDE	POTASSIUMSULFIDE	1312-73-8	Health Canada restricts this ingredient to a maximum concentration of 2% (sulfur) in depilatory products.	
POTASSIUM SULFITE	POTASSIUM SULFITE	10117-38- 1	The European Commission restricts this ingredient to a maximum concentration of 0.67% (as free SO2) in oxidative hair dyes, 6.7% (as free SO2) in hair straightening products, 0.45% (as free SO2) in selftanning face products, and 0.40% (as free SO2) in other selftanning products. For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent on the product label.	
POTASSIUM SUNFLOWERSEEDATE	POTASSIUM SUNFLOWERSEEDATE	0	The Cosmetic Ingredient Review (CIR) panel concluded that this substance is safe as used when formulated to be non-sensitizing, which may be determined based on a quantitative risk assessment (QRA).	
POTASSIUM TALLOWATE	POTASSIUM TALLOWATE	61790-32 -7	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <12.9%	
POTASSIUM TAURATE	POTASSIUM TAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTASSIUM TRIDECETH-15 CARBOXYLATE	Potassium Trideceth15 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM TRIDECETH-19 CARBOXYLATE	Potassium Trideceth19 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM TRIDECETH-3 CARBOXYLATE	Potassium Trideceth3 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM TRIDECETH-4 CARBOXYLATE	Potassium Trideceth4 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM TRIDECETH-6 PHOSPHATE	Potassium Trideceth6 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM TRIDECETH-7 CARBOXYLATE	Potassium Trideceth7 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
POTASSIUM TRIDECETH-7 PHOSPHATE	Potassium Trideceth7 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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POTASSIUM UNDECYLENATE	POTASSIUM UNDECYLENATE	6159-41- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
POTASSIUM UNDECYLENOYL ALGINATE	POTASSIUM UNDECYLENOYL ALGINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM UNDECYLENOYL CARRAGEENAN	POTASSIUM UNDECYLENOYL CARRAGEENAN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
POTASSIUM XYLENE SULFONATE	POTASSIUM XYLENE SULFONATE	30346-73 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
POTATO STARCH, MODIFIED	POTATO STARCH, MODIFIED	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-1 CETETH-3 ACETATE	Ppg1 Ceteth3 Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-1 HYDROXYETHYL CAPRYLAMIDE	PPG-1 HYDROXYETHYL CAPRYLAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-1 TRIDECETH-6	PPG1 Trideceth6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-1-CETETH-1	PPG1Ceteth1	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-1-CETETH-10	PPG1Ceteth10	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-1-CETETH-20	PPG1Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-1-CETETH-5	PPG1Ceteth5	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-1-DECETH-6	PPG1Deceth6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-1-ISOCETETH-3	Ppg1Isoceteth3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PPG-1-PEG-9 LAURYL GLYCOL	Ppg1Peg9 Lauryl Glycol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-1-PEG-9 LAURYL GLYCOL ETHER	Ppg1Peg9 Lauryl Glycol Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-10 LANOLIN ALCOHOL ETHER	PPG-10 LANOLIN ALCOHOL ETHER	68439-53 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-10 METHYL GLUCOSE ETHER	PPG-10 METHYL GLUCOSE ETHER	61849-72 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-10 TOCOPHERETH-30	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of	
PPG-10-CETEARETH-20	PPG10Ceteareth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-10-Laureth-7	Ppg10Laureth7	68439-51 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-11 STEARYL ETHER	PPG11 STEARYL ETHER	25231-21- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
PPG-12 BUTETH-16	Ppg12 Buteth16	9038-95- 3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-12 BUTETH-16	PPG12BUTETH16	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
PPG-12 BUTYL ETHER DIMETHICONE	PPG-12 BUTYL ETHER DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-12 DIMETHICONE	PPG-12 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PPG-12 DIMETHICONE	PPG-12 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-12-PEG-50 LANOLIN	PPG-12-PEG-50 LANOLIN	68458-88 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-12-PEG-50 LANOLIN	Ppg12Peg50 Lanolin	68458-88 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-12-PEG-65 LANOLIN OIL	PPG-12-PEG-65 LANOLIN OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-12-PEG-65 LANOLIN OIL	Ppg12Peg65 Lanolin Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PPG-13-DECYLTETRADECETH -24	PPG13Decyltetradeceth24	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-14 BUTYL ETHER	PPG14 BUTYL ETHER	9003-13- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 18%	
PPG-14 DECETH-6	Ppg14 Deceth6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-14 LAURETH-60 ALKYL DICARBAMATE	Ppg14 Laureth60 Alkyl Dicarbamate	226994-8 2-7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-14 LAURETH-60 HEXYL DICARBAMATE	Ppg14 Laureth60 Hexyl Dicarbamate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-14 LAURETH-60 ISOPHORYL DICARBAMATE	Ppg14 Laureth60 Isophoryl Dicarbamate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-15 STEARYL ETHER	PPG15 STEARYL ETHER	25231-21- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
PPG-15 STEARYL ETHER BENZOATE	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
PPG-15-BUTETH-20	PPG15Buteth20	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 6%	
PPG-15-PEG-11 HYDROGENATED LAURYL ALCOHOL ETHER	Ppg15Peg11 Hydrogenated Lauryl Alcohol Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-17-BUTETH-17	PPG17Buteth17	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
PPG-2 BUTYL ETHER	PPG2 BUTYL ETHER	9003-13- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 8%	
PPG-2 COCAMIDE	PPG-2 COCAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-2 DIMETHICONE	PPG-2 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PPG-2 DIMETHICONE	PPG-2 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-2 DIMETHICONE	Ppg2 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PPG-2 HYDROXYETHYL COCAMIDE	PPG-2 HYDROXYETHYL COCAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-2 HYDROXYETHYL COCO/ ISOSTEARAMIDE	PPG-2 HYDROXYETHYL COCO/ ISOSTEARAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-2 ISOCETETH-20 ACETATE	Ppg2 Isoceteth20 Acetate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2 LANOLIN ALCOHOL ETHER	PPG-2 LANOLIN ALCOHOL ETHER	68439-53 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-2 TOCOPHERETH-5	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroguinone.	
PPG-2-CETEARETH-9	PPG2Ceteareth9	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-CETETH-1	PPG2Ceteth1	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-CETETH-10	PPG2Ceteth10	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-CETETH-20	PPG2Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-CETETH-5	PPG2Ceteth5	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-10	PPG2Deceth10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-12	PPG2Deceth12	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-15	PPG2Deceth15	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-20	PPG2Deceth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PPG-2-DECETH-3	PPG2Deceth3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-30	PPG2Deceth30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-40	PPG2Deceth40	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-50	PPG2Deceth50	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-60	PPG2Deceth60	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-DECETH-7	PPG2Deceth7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-ISODECETH-12	PPG2Isodeceth12	155683-7 7-5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-ISODECETH-4	PPG2Isodeceth4	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-ISODECETH-6	PPG2Isodeceth6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-ISODECETH-9	PPG2Isodeceth9	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-LAURETH-5	PPG2Laureth5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PPG-2-LAURETH-8	PPG2Laureth8	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-PEG-11 HYDROGENATED LAURYL ALCOHOL ETHER	PPG2PEG11 Hydrogenated Lauryl Alcohol Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-2-PEG-6 COCONUT OIL ESTERS	Ppg2Peg6 Coconut Oil Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-20 LANOLIN ALCOHOL ETHER	PPG-20 LANOLIN ALCOHOL ETHER	68439-53 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-20 TOCOPHERETH-50	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of	
PPG-20-DECYLTETRADECETH -10	PPG20Decyltetradeceth10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-20-PEG-20 HYDROGENATED LANOLIN	PPG-20-PEG-20 HYDROGENATED LANOLIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-20-PEG-20 HYDROGENATED LANOLIN	Ppg20Peg20 Hydrogenated Lanolin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-23-PEG-4 TRIMETHYLOLPROPANE	Ppg23Peg4 Trimethylolpropane	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-23-STEARETH-34	PPG23Steareth34	9038-43- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-24-PEG-21 TALLOWAMINOPROPYLAMI NE	Ppg24Peg21 Tallowaminopropylamine	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-25-LAURETH-25	PPG25Laureth25	37311-00 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-25-PEG-25 TRIMETHYLOLPROPANE	Ppg25Peg25 Trimethylolpropane	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-26-BUTETH-26	PPG26BUTETH26	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PPG-26/HDI COPOLYMER	PPG-26/HDI COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-27 DIMETHICONE	PPG-27 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-28-BUTETH-35	PPG28BUTETH35	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 22%	
PPG-3 HYDROXYETHYL SOYAMIDE	PPG-3 HYDROXYETHYL SOYAMIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-3 METHYL ETHER	PPG3 METHYL ETHER	25498-49 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-3-DECETH-2 CARBOXYLIC ACID	Ppg3Deceth2 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-3-ISODECETH-1	PPG3Isodeceth1	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-3-LAURETH-10	PPG3Laureth10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-3-LAURETH-12	PPG3Laureth12	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-3-LAURETH-8	PPG3Laureth8	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-3-LAURETH-9	PPG3Laureth9	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-3-PEG-6 OLEYL ETHER	PPG3PEG6 Oleyl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-30 LANOLIN ALCOHOL ETHER	PPG-30 LANOLIN ALCOHOL ETHER	68439-53 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-30 TOCOPHERETH-70	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PPG-33 BUTYL ETHER	PPG33 BUTYL ETHER	9003-13- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 10%	
PPG-33-BUTETH-45	PPG33Buteth45	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.03%	
PPG-38-BUTETH-37	PPG38Buteth37	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.8%	
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EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PPG-4 C13-15 PARETH-15	PPG-4 C13-15 PARETH-15	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-4 DECETH-6	Ppg4 Deceth6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4 LAURETH-2	PPG-4 LAURETH-2	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-4 LAURETH-2	Ppg4 Laureth2	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4 LAURETH-5	PPG-4 LAURETH-5	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-4 LAURETH-5	Ppg4 Laureth5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product	
PPG-4 LAURETH-7	PPG-4 LAURETH-7	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-4 LAURETH-7	Ppg4 Laureth7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4 Laureth-8	Ppg4 Laureth8	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4 OLETH-10 DIMETHICONE	PPG-4 OLETH-10 DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-4 OLETH-10 DIMETHICONE	Ppg4 Oleth10 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4 TRIDECETH-6	PPG-4 TRIDECETH-6	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-4 TRIDECETH-6	Ppg4 Trideceth6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4-CETEARETH-12	PPG4Ceteareth12	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PPG-4-CETETH-1	PPG4Ceteth1	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4-CETETH-10	PPG4Ceteth10	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4-CETETH-20	PPG4Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4-CETETH-5	PPG4Ceteth5	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4-DECETH-4	PPG4Deceth4	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4-ISODECETH-10	PPG4Isodeceth10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-4-LAURETH-15	PPG4Laureth15	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-40-PEG-60 LANOLIN OIL	PPG-40-PEG-60 LANOLIN OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-40-PEG-60 LANOLIN OIL	Ppg40Peg60 Lanolin Oil	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5 CETEARETH-10 PHOSPHATE	Ppg5 Ceteareth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5 LANOLIN ALCOHOL ETHER	PPG-5 LANOLIN ALCOHOL ETHER	68439-53 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PPG-5 LANOLIN WAX	PPG5 LANOLIN WAX	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
PPG-5 TOCOPHERETH-2	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PPG-5 TOCOPHERYL ETHER	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PPG-5-BUTETH-5	PPG5Buteth5	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.5%	

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PPG-5-CETEARETH-20	Ppg5Ceteareth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-10 PHOSPHATE	Ppg5Ceteth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG1Ceteth1	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG1Ceteth10	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG1Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG1Ceteth5	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG2Ceteth1	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG2Ceteth10	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG2Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG2Ceteth5	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG4Ceteth1	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PPG-5-CETETH-20	PPG4Ceteth10	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG4Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG4Ceteth5	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG5Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG8Ceteth1	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG8Ceteth10	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG8Ceteth2	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG8Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-CETETH-20	PPG8Ceteth5	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-5-LAURETH-5	PPG5Laureth5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-52 BUTYL ETHER	PPG52 BUTYL ETHER	9003-13- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 23%	
PPG-6 C12-15 PARETH-12	PPG6 C1215 Pareth12	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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PPG-6 C9-11 PARETH-5	PPG6 C911 Pareth5	154518-3 6-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-6 DECYLTETRADECETH-30	Ppg6 Decyltetradeceth30	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-6 TRIDECETH-8	PPG6 Trideceth8	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-6-DECETH-4	PPG-6-DECETH-4	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-6-DECETH-4	Ppg6Deceth4	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-6-DECETH-9	PPG-6-DECETH-9	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PPG-6-DECETH-9	Ppg6Deceth9	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-6-DECYLTETRADECETH- 12	PPG6Decyltetradeceth12	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-6-DECYLTETRADECETH- 20	PPG6Decyltetradeceth20	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-6-LAURETH-3	PPG6Laureth3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-65-PEG-5 PENTAERYTHRITYL ETHER	Ppg65Peg5 Pentaerythrityl Ether	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-68-PEG-10 TRIMETHYLOLPROPANE	Ppg68Peg10 Trimethylolpropane	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-7-BUTETH-10	PPG7Buteth10	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.023%	
PPG-7-BUTETH-4	PPG7Buteth4	9038-95- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 4%	

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PPG-70 TOCOPHERETH-100	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
PPG-75-PEG-300 HEXYLENE GLYCOL	Ppg75Peg300 Hexylene Glycol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-8 DECETH-6	Ppg8 Deceth6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-8-CETETH-1	PPG8Ceteth1	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-8-CETETH-10	PPG8Ceteth10	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-8-CETETH-2	PPG8Ceteth2	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-8-CETETH-20	PPG8Ceteth20	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG-8-CETETH-5	PPG8Ceteth5	9087-53- 0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG/ PEG-18 DIMETHICONE	PPG/ PEG-18 DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PPG/ PEG-18 DIMETHICONE	Ppg/ Peg18 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG/PEG-10/2 GLYCERYL COCOATE	Ppg/peg10/2 Glyceryl Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PPG/PEG-2/10 GLYCERYL COCOATE	Ppg/peg2/10 Glyceryl Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the find product	
PROLINE	PROLINE	609-36-9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	

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PROPANE	propane	74-98-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 24%.	
PROPANEDIOL DICAPRYLATE	PROPANEDIOL DICAPRYLATE	1020852- 63-4	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1%.	
PROPANEDIOL	Propanediol Dicaprylate/Caprate	0	The Cosmetic Ingredient Review stated this ingredient	Х
PROPANOL	PROPYL ALCOHOL	71-23-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
PROPHYRIDIUM CRUENTUM EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
PROPOXYTETRAMETHYL PIPERIDINYL DIMETHICONE	PROPOXYTETRAMETHYL PIPERIDINYL DIMETHICONE	171543-6 5-0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
PROPYL BENZOATE	Benzoate	2315-68- 6	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
PROPYL GALLATE	PROPYL GALLATE	121-79-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
PROPYLENE CARBONATE	propylene carbonate	108-32-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
PROPYLENE GLYCOL ALGINATE	PROPYLENE GLYCOL ALGINATE	9005-37- 2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PROPYLENE GLYCOL BEHENATE	PROPYLENE GLYCOL BEHENATE	27923-61- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL CAPRYLATE	PROPYLENE GLYCOL CAPRYLATE	31565-12- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL CETETH-3 ACETATE	Propylene Glycol Ceteth3 Acetate	93385-03 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PROPYLENE GLYCOL CETETH-3 PROPIONATE	Propylene Glycol Ceteth3 Propionate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PROPYLENE GLYCOL COCOATE	PROPYLENE GLYCOL COCOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL DICAPROATE	PROPYLENE GLYCOL DICAPROATE	50343-36 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE	PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE	58748-27 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 51.8%.	
PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE	PROPYLENE GLYCOL DICAPRYLATE/DICAPRATE	58748-27 -9	The Cosmetic Ingredient Review Expert Panel determined this ingredient is safe as used at concentrations < 51.8%	
PROPYLENE GLYCOL DIETHYLHEXANOATE	PROPYLENE GLYCOL DIETHYLHEXANOATE	93981-97- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL DIPELARGONATE	PROPYLENE GLYCOL DIPELARGONATE	41395-83 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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PROPYLENE GLYCOL DISTEARATE	PROPYLENE GLYCOL DISTEARATE	6182-11-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL HEPTANOATE	PROPYLENE GLYCOL HEPTANOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL ISOCETETH-3 ACETATE	Propylene glycol isoceteth3 acetate	178900-2 3-7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PROPYLENE GLYCOL ISODECETH-12	Propylene Glycol Isodeceth12	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PROPYLENE GLYCOL ISODECETH-4	Propylene Glycol Isodeceth4	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PROPYLENE GLYCOL LAURETH-6	Propylene Glycol Laureth6	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PROPYLENE GLYCOL LINOLEATE	PROPYLENE GLYCOL LINOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL LINOLENATE	PROPYLENE GLYCOL LINOLENATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLENE GLYCOL METHYL ETHER	Methoxyisopropanol	107-98-2	Health Canada bans this ingredient from use in cosmetics if it contains at least 0.5% 2methoxypropanol.	
PROPYLENE GLYCOL METHYL ETHER ACETATE	METHOXYISOPROPYLACET ATE	108-65-6	Health Canada bans this ingredient from use in cosmetics if it contains at least 0.5% total of 2methoxypropanol and/or 2methoxypropyl1acetate.	
PROPYLENE GLYCOL OLETH-5	Propylene Glycol Oleth5	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PROPYLENE GLYCOL SOYATE	PROPYLENE GLYCOL SOYATE	67784-79 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PROPYLIDENE PHTHALIDE	3-Propylidene-1(3H)- isobenzofuranone; 3-Propylidenephthalide	17369-59- 4	The European Commission restricts this ingredient to a maximum concentration is 0.01% in products that are not oral products. In oral products, the presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products or 0.01% in rinse-off products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PROPYLIDENE PHTHALIDE	3PROPYLIDENEPHTHALID E	17369-59- 4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in lip products, 0.01% in deodorants/antiperspirants, 0.01% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.01% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.01% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.7% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.01% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
PROPYLIDENE PHTHALIDE	3PROPYLIDENEPHTHALID E	17369-59- 4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.071 % Category 2) 0.021 % Category 3) 0.42 % Category 4) 0.40 % Category 5A) 0.10 % Category 5B) 0.10 % Category 5C) 0.10 % Category 5D) 0.10 % Category 6) 0.23 % Category 7A) 0.81 % Category 7B) 0.81 % Category 8) 0.041 % Category 9) 0.77 % Category 10A) 2.8 % Category 10B) 2.8 % Category 11A) 1.5 % Category 11B) 1.5 % Category 12) No Restriction	
PROPYLIDENE PHTHALIDE	PROPYLIDENE PHTHALIDE	17369-59- 4	The European Commission restricts this ingredient to a maximum concentration of 0.01% in nonoral products.	
PROTEINASE, BACILLUS ALKALINE	Esperase	9073-77- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PROTEINASE, STREPTOMYCES GRISEUS	Pronase	9036-06- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PRUNUS AFRICANA (AFRICAN CHERRY)	African Cherry	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PRUNUS AMYGDALUS DULCIS (SWEET ALMOND) OIL UNSAPONIFIABLES	PRUNUS AMYGDALUS DULCIS (SWEET ALMOND) OIL UNSAPONIFIABLES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PRUNUS AMYGDALUS DULCIS (SWEET ALMOND) SEED MEAL	PRUNUS AMYGDALUS DULCIS (SWEET ALMOND) SEED MEAL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PRUNUS AMYGDALUS DULCIS (SWEET ALMOND) SHELL POWDER	Almond Shell Dust (Prunus dulcis)	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PRUNUS AVIUM (WILD CHERRY) SEED OIL	PRUNUS AVIUM (SWEET CHERRY) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.02%.	
PRUNUS DOMESTICA (PLUM) SEED EXTRACT	PRUNUS DOMESTICA SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.04%	
PRUNUS DOMESTICA (PLUM) SEED OIL	PRUNUS DOMESTICA SEED OIL	90082-87 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.04%	
PRUNUS PERSICA (PEACH)	PRUNUS PERSICA (PEACH)	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
PRUNUS PERSICA (PEACH) KERNEL OIL	PRUNUS PERSICA (PEACH) KERNEL OIL	8002-78- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 22%	
PSYLLIUM GUM	Psyllium	8063-16- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PULLULAN	PULLULAN	9057-02- 7	The Cosmetic Ingredient Review found this substance was safe as used a up to a concentration of 17%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PUMPKIN SEED OIL PEG-8 ESTERS	PUMPKIN SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
PUMPKIN SEED OIL PEG-8 ESTERS	Pumpkin Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
PUNICA GRANATUM (POMEGRANATE) FRUIT JUICE	PUNICA GRANATUM (POMEGRANATE) FRUIT JUICE	84961-57 -9	The Cosmetic Ingredient Review found this substance was safe at concentrations < 0.1%	
PUNICA GRANATUM (POMEGRANATE) SEED OIL	PUNICA GRANATUM SEED OIL	84961-57 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
PUNICA GRANATUM (POMEGRANATE) SEED POWDER	PUNICA GRANATUM (POMEGRANATE) SEED POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PUNICA GRANATUM JUICE	PUNICA GRANATUM JUICE	0	The Cosmetic Ingredient Review found this substance	
PUNICA GRANATUM SEED	PUNICA GRANATUM SEED	0	The Cosmetic Ingredient Review found this substance	
PVM/ MA COPOLYMER	PVM/MA COPOLYMER	9011-16-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of	
PVP-HYDROGEN PEROXIDE	PVPHYDROGEN PEROXIDE	135927-3 6-5	The European Commission restricts this ingredient to a maximum concentration of 12% of H2O2 (40 volumes, present or released) in hair products, 4% of H2O2 (present or released) in skin products, 2% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in tooth whitening or bleaching products. Additionally, the products with this ingredient can only be sold to dental practitioners, and for each cycle of use, the first use must be done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards, the product may be provided to the consumer to complete the cycle of use. The product cannot to be used on a person under 18 years of age. Lastly, for products intended for eyelashes, the concentration cannot exceed 2% of H2O2, present or released, and is permitted for professional use only. Required Warning: The European Commission requires the following on the label/package of hair products: 'Avoid contact with them'. For skin and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For tooth whitening or bleaching products: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For each cycle of use, the first use to be only done by dental practitioners or under the yes'; 'Rinse immediately if product comes into contact with them'. For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer t	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
PVP/DECENE COPOLYMER	PVP/DECENE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
PVP/VA/ITACONIC ACID	PVP/VA/ITACONIC ACID	68928-72 -3	The Cosmetic Ingredient Review found this substance	
		0	The Cosmetic Ingredient Review found this substance	
PYRETHRINS	Pyrethrins	8003-34- 7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
PYRIDINIUM, 1-((4-AMINO-2-PROPYL-5-PY RIMIDINYL)METHYL)-2-MET HYL-, CHLORIDE	Amprolium	121-25-5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
PYRIMIDINE, 2,4,5,6-TETRAAMINO-	PYRIMIDINE, 2,4,5,6-TETRAAMINO-	1004-74- 6	Per European restrictions, prohibited for use in hair dye products.	
PYROPHYLLITE	CLAYS AND MINERALS	12269-78- 2	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
PYROPHYLLITE	PYROPHYLLITE	12269-78- 2	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
PYRROLIZIDINE ALKALOIDS	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	0	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
PYRUS MALUS (APPLE) FIBER	PYRUS MALUS (APPLE) FIBER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
Pyrus Malus (Apple) Flower Extract	Pyrus Malus (Apple) Flower Extract	85251-63 -4	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.0005%	
PYRUS MALUS (APPLE)	PYRUS MALUS (APPLE)	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations < 0.03%	
PYRUS MALUS (APPLE) FRUIT EXTRACT	PYRUS MALUS (APPLE) FRUIT EXTRACT	85251-63 -4	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <1%	
PYRUS MALUS (APPLE)	PYRUS MALUS (APPLE)	0	The Cosmetic Ingredient Review found this substance	
PYRUS MALUS (APPLE)	PYRUS MALUS (APPLE)	0	The Cosmetic Ingredient Review found this substance	
PYRUS MALUS (APPLE) LEAF EXTRACT	PYRUS MALUS (APPLE) LEAF EXTRACT	85251-63 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
PYRUS MALUS (APPLE) PECTIN EXTRACT	PYRUS MALUS (APPLE) PECTIN EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
PYRUS MALUS (APPLE) PEEL WAX	PYRUS MALUS (APPLE) PEEL WAX	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
PYRUS MALUS (APPLE) SEED EXTRACT	PYRUS MALUS (APPLE) SEED EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.6%	
QUATERNIUM-18 BENTONITE	CLAYS AND MINERALS	68953-58 -2	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
QUATERNIUM-18 BENTONITE	QUATERNIUM18 BENTONITE	68953-58 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 9%.	
QUATERNIUM-18 HECTORITE	CLAYS AND MINERALS	12001-31- 9	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
QUATERNIUM-18 HECTORITE	QUATERNIUM18 HECTORITE	12001-31- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products.	
QUATERNIUM-18 MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
QUATERNIUM-18 MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
QUATERNIUM-18/BENZALK ONIUM BENTONITE	QUATERNIUM-18/BENZAL KONIUM BENTONITE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
QUATERNIUM-53	Quaternium53	68410-69 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
QUATERNIUM-90 BENTONITE	QUATERNIUM-90 BENTONITE	226226-2 2-8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 6.1% when formulated to be non-irritating.	
QUERCUS (OAK)	Quercus	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
QUILLAJA SAPONARIA (SOAPBARK) BARK	Quillaja Bark	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
QUILLAJA SAPONARIA (SOAPBARK) BARK	Quillaja Bark	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
QUININE	QUININE	130-95-0	The European Commission restricts this ingredient to a maximum concentration of 0.5% (as quinine base) in hair rinseoff products and 0.2% (as quinine base) in hair leaveon products.	
RAPESEED OIL PEG-20 ESTERS	RAPESEED OIL PEG-20 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
RAPESEED OIL PEG-20 ESTERS	Rapeseed Oil Peg20 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
RAPESEED OIL PEG-3 ESTERS	RAPESEED OIL PEG-3 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
RAPESEED OIL PEG-3 ESTERS	Rapeseed Oil Peg3 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
RAPHANUS SATIVUS (RADISH) ROOT EXTRACT	RAPHANUS SATIVUS (RADISH) ROOT EXTRACT	84775-94 -0	The Cosmetic Ingredient Review has said this ingredient is safe as used at concentrations < 6% when formulated to be non-sensitizing	Х

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
RASPBERRY KETONE	4(4Hydroxyphenyl)butan2o ne	5471-51- 2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.68 % Category 2) 1.0 % Category 3) 0.27 % Category 4) 1.0 % Category 5A) 1.0 % Category 5B) 0.14 % Category 5C) 0.27 % Category 5D) 0.045 % Category 6) 0.82 % Category 7A) 0.41 % Category 7B) 0.41 % Category 8) 0.045 % Category 9) 1.0 % Category 10A) 1.0 % Category 10B) 1.0 % Category 11A) 0.045 % Category 11B) 0.045 % Category 12) 78 %	
RASPBERRY SEED OIL PEG-8 ESTERS	RASPBERRY SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
RASPBERRY SEED OIL PEG-8 ESTERS	Raspberry Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
RAYON	Wipe substrates	9006-02- 4	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	x
Red 33	Red 33	3567-66- 6	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
RED ALGAE CAREGEENAN	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
RED CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
RED PETROLATUM	RED PETROLATUM	0	The European Commission bans this ingredient from use in cosmetics if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.	
RED THYME OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
RED THYME OIL	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
RENNET	RENNET	9042-08- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
RETINAL	Retinoids	116-31-4	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINAMIDE, ALL-TRANS-	Retinoids	20638-84 -0	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINAMIDE, N-(2-HYDROXYETHYL)-	Retinoids	33631-47- 9	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINAMIDE, N-(4-HYDROXYPHENYL)-	Retinoids	65646-68 -6	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINAMIDE, N-(CARBOXYMETHYL)-	Retinoids	71407-30 -2	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINAMIDE, N-ETHYL-	Retinoids	33631-41- 3	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
RETINOL (VITAMIN A)	Retinoids	11103-57- 4	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINOL (VITAMIN A)	Retinol	11103-57- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
RETINOL, 5,6-EPOXY-5,6-DIHYDRO-	Retinoids		Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINOL, 5,6-EPOXY-5,6-DIHYDRO-	Retinoids	512-39-0	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINOL/GLYCOLIC ACID POLYMER	Glycolic Acid	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 at final formulation when formulated to avoid increasing sun sensitivity or when directions for use include the daily use of sun protection. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
RETINOL/GLYCOLIC ACID POLYMER	GLYCOLICACID	0	Health Canada restricts this ingredient to a maximum concentration of 10% and a minimum pH of 3.5. Additionally, preparations containing concentrations of AHAs between 10% and 30% or a pH between 3.0 to 3.5 may be permitted for professional use if the manufacturer provides Health Canada with evidence of their safety including pH levels, AHA concentrations, directions for use, and clinical studies demonstrating minimal skin irritation. Preparations intended to be diluted in bath water may contain levels of citric acid exceeding 10%. Required Warning: Health Canada requires the following on the product label/package in all skin products containing AHAs at concentrations equal to or greater than 3%: 'Use only as directed'; 'Avoid contact with the eyes'; 'If irritation persists, discontinue use and consult a physician'; 'It is recommended that prior to exposure to the sun, users cover areas where AHAs have been applied with sunscreen'; 'Contact of the product with the skin must be of limited frequency or duration.'	
RETINOL/GLYCOLIC ACID POLYMER	Retinoids	0	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINOL/GLYCOLIC ACID POLYMER	Retinol	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
RETINOXYTRIMETHYLSILAN E	Retinoids	16729-19- 4	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINYL ACETATE (VITAMIN A ACETATE)	Retinoids	127-47-9	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINYL ACETATE (VITAMIN A ACETATE)	Retinol	127-47-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
RETINYL LINOLEATE	Retinoids	631-89-0	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINYL PALMITATE (VITAMIN A PALMITATE)	Retinoids	79-81-2	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINYL PALMITATE POLYPEPTIDE	Retinoids	0	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINYL PROPIONATE	Retinoids	7069-42- 3	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RETINYL RETINOATE	Retinoids	0	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
RETINYL SUNFLOWERSEEDATE	Retinoids		Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
RHAMNOSE	RHAMNOSE	3615-41- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
RHIZOBIAN GUM	RHIZOBIAN GUM	0	The Cosmetic Ingredient Review found this substance	
RHODINOLS	Citronellol	141-25-3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.8% in lip products, 1.1% in deodorants/antiperspirants, 4.4% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 13.3% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 7% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 21.4% in mouthwashes, breath sprays, and toothpastes, 2.2% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
RHODINOLS	Citronellol	141-25-3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 2.2% Category 2) 0.67% Category 3) 13% Category 4) 12% Category 5A) 3.2% Category 5B) 3.2% Category 5C) 3.2% Category 5D) 3.2% Category 6) 7.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 7A) 25% Category 7B) 25% Category 8) 1.3% Category 9) 24% Category 10A) 87% Category 10B) 87% Category 11A) 48% Category 11B) 48% Category 12) No Restriction	
RHODIUM	Rhodium	7440-16- 6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
RHUS SUCCEDANEA (JAPANESE) FRUIT WAX	RHUS SUCCEDANEA (JAPANESE) FRUIT WAX	8001-39- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
RIBES NIGRUM	Ribes Nigrum (Black	97676-19- 2	The Cosmetic Ingredient Review has determined that	
RIBOFLAVIN	RIBOFLAVIN	83-88-5	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E101)	
RIBOSE, D-	RIBOSE, D-	50-69-1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.05%.	
RICE AMINO ACIDS	RICE AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.2%.	
RICE BRAN ACID	ORYZA SATIVA (RICE) BRAN ACID	93165-33- 4	The Cosmetic Ingredient Review restricts this ingredient in that it cannot contain significant levels of pesticide residues or heavy metals.	
RICEBRANAMIDE DEA	RICEBRANAMIDE DEA	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
RICEBRANAMIDE DEA	RICEBRANAMIDE DEA	0	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
RICHINOLETH-18	Richinoleth18	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
RICINOLEAMIDE DEA	RICINOLEAMIDE DEA	40716-42 -5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
RICINOLEAMIDE DEA	RICINOLEAMIDE DEA	40716-42 -5	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
RICINOLEAMIDE MIPA	RICINOLEAMIDE MIPA	40986-29 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
RICINOLEAMIDOPROPYL BETAINE	ricinoleamidopropyl betaine	71850-81 -2	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
RICINOLEAMIDOPROPYL DIMETHYLAMINE	Ricinoleamidopropyl dimethylamine	20457-75 -4	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
RICINOLEIC/CAPROIC/CAP RYLIC/CAPRIC TRIGLYCERIDE	RICINOLEIC/CAPROIC/CA PRYLIC/CAPRIC TRIGLYCERIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
RICINOLETH-40	Ricinoleth40	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ROSA ALBA FLOWER EXTRACT	Eugenol, contact allergen for eczema products	93334-48 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ALBA FLOWER EXTRACT	Geraniol, contact allergen for eczema products	93334-48 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ALBA FLOWER EXTRACT	Linalool, contact allergen for eczema products	93334-48 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ALBA FLOWER OIL	Citronellol, contact allergen for eczema products	93334-48 -6	This ingredient contains Citronellol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ALBA FLOWER OIL	Farnesol, contact allergen for eczema products	93334-48 -6	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ALBA FLOWER OIL	Geraniol, contact allergen for eczema products	93334-48 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	×

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA ALBA FLOWER OIL	Linalool, contact allergen for eczema products	93334-48 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ALBA FLOWER OIL	ROSA ALBA FLOWER OIL	93334-48 -6	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ROSA BORBORIANA EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA BORBORIANA EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA BORBORIANA EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA (DOG ROSE) FLOWER EXTRACT	Rosa Canina Flower Extract	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.04%	
ROSA CANINA (DOG ROSE) FRUIT EXTRACT	Rosa Canina Fruit Extract	84696-47 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.25%	
ROSA CANINA (DOG ROSE) FRUIT OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA CANINA (DOG ROSE) FRUIT OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA (DOG ROSE) FRUIT OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA (DOG ROSE) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA (DOG ROSE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA (DOG ROSE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA CANINA (DOG ROSE) PHYTOS	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA CANINA (DOG ROSE) PHYTOS	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA (DOG ROSE) PHYTOS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
ROSA CANINA (DOG ROSE) SEED EXTRACT	Rosa Canina Seed Extract	84696-47 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1.5%	
ROSA CANINA (ROSE) HYDROSOL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA (ROSE) HYDROSOL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA (ROSE) HYDROSOL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA FLOWER	Rosa Canina Flower	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.5%	
ROSA CANINA FRUIT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA CANINA FRUIT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA FRUIT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA FRUIT	Rosa Canina Fruit	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.0003%	
ROSA CANINA FRUIT JUICE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA FRUIT JUICE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA FRUIT JUICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA SEED	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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ROSA CANINA SEED	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA SEED	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA SEED POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA SEED POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CANINA SEED POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA CENTIFOLIA (CABBAGE ROSE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER EXTRACT	Eugenol, contact allergen for eczema products	84604-12 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	84604-12 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER EXTRACT	Linalool, contact allergen for eczema products	84604-12 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER WAX	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA CENTIFOLIA (CABBAGE ROSE) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA (CABBAGE ROSE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA ABSOLUTE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA ABSOLUTE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA CENTIFOLIA ABSOLUTE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA FLOWER JUICE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA FLOWER JUICE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA FLOWER JUICE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA FLOWER OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CENTIFOLIA FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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ROSA CENTIFOLIA FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CHINENSIS (CHINESE ROSE) FLOWER EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA CHINENSIS (CHINESE ROSE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA CHINENSIS (CHINESE ROSE) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE)	ROSA DAMASCENA (ROSE)	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ROSA DAMASCENA (ROSE)	ROSA DAMASCENA (ROSE)	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ROSA DAMASCENA (ROSE) FLOWER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE) FLOWER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE) FLOWER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA DAMASCENA (ROSE) FLOWER	ROSA DAMASCENA (ROSE) FLOWER	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ROSA DAMASCENA (ROSE) FLOWER	ROSA DAMASCENA (ROSE) FLOWER	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ROSA DAMASCENA (ROSE) FLOWER OIL	Citronellol, contact allergen for eczema products	93334-48 -6	This ingredient contains Citronellol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE) FLOWER OIL	Eugenol, contact allergen for eczema products	93334-48 -6	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE) FLOWER OIL	Geraniol, contact allergen for eczema products	93334-48 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE) FLOWER OIL	Linalool, contact allergen for eczema products	93334-48 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE) FLOWER OIL	ROSA DAMASCENA (ROSE) OIL	93334-48 -6	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ROSA DAMASCENA (ROSE) FLOWER OIL	ROSA DAMASCENA (ROSE) OIL	93334-48 -6	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ROSA DAMASCENA (ROSE) FLOWER OIL	Rosa damascena flower oil/extract; Rosa alba flower oil/extract; Rosa canina flower oil; Rosa centifolia oil/extract; Rosa gallica flower oil; Rosa moschata flower oil; Rosa rugosa flower oil	93334-48 -6	The presence of the substance or substances shall be indicated in the list of ingredients when the concentration of the substance or substances exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
ROSA DAMASCENA (ROSE) FLOWER WAX	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA DAMASCENA (ROSE) FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA (ROSE) FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA EXTRACT	ROSA DAMASCENA (ROSE) EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ROSA DAMASCENA EXTRACT	ROSA DAMASCENA (ROSE) EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ROSA DAMASCENA FLOWER EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA FLOWER EXTRACT	ROSA DAMASCENA (ROSE) FLOWER EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA DAMASCENA FLOWER EXTRACT	ROSA DAMASCENA (ROSE) FLOWER EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ROSA DAMASCENA FLOWER WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA DAMASCENA FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAMASCENA FLOWER WATER	ROSA DAMASCENA (BULGARIAN ROSE) WATER	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
ROSA DAMASCENA FLOWER WATER	ROSA DAMASCENA (BULGARIAN ROSE) WATER	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
ROSA DAVURICA BUD EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAVURICA BUD EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA DAVURICA BUD EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EGLANTERIA FLOWER/LEAF/STEM EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products reauiring dispersal in water.	X
ROSA EGLANTERIA FLOWER/LEAF/STEM EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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ROSA EGLANTERIA FLOWER/LEAF/STEM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EGLANTERIA SEED OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EGLANTERIA SEED OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EGLANTERIA SEED OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EGLENTARIA (SWEETBRIAR) SEED OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EGLENTARIA (SWEETBRIAR) SEED OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA EGLENTARIA (SWEETBRIAR) SEED OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EGLENTARIA EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EGLENTARIA EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA EGLENTARIA EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA FOETIDA (YELLOW ROSE) FLOWER EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA FOETIDA (YELLOW ROSE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA FOETIDA (YELLOW ROSE) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA GALLICA (FRENCH ROSE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA GALLICA (FRENCH ROSE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA GALLICA (FRENCH ROSE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA GALLICA (FRENCH ROSE) FLOWER EXTRACT	Eugenol, contact allergen for eczema products	84604-13 -7	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA GALLICA (FRENCH ROSE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	84604-13 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA GALLICA (FRENCH ROSE) FLOWER EXTRACT	Linalool, contact allergen for eczema products	84604-13 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA GALLICA FLOWER OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA GALLICA FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA GALLICA FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HONEY	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA HONEY	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HONEY	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA HONEY	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
ROSA HONEY	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	
ROSA HYBRID FLOWER CERA	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HYBRID FLOWER CERA	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HYBRID FLOWER CERA	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HYBRID FLOWER EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HYBRID FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HYBRID FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA HYBRID FLOWER WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HYBRID FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA HYBRID FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA MOSCHATA (MUSK ROSE) LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) SEED OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) SEED OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) SEED OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) SEED POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) SEED POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MOSCHATA (MUSK ROSE) SEED POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MULTIFLORA (JAPANESE ROSE) FRUIT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MULTIFLORA (JAPANESE ROSE) FRUIT EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA MULTIFLORA (JAPANESE ROSE) FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MULTIFLORA FLOWER WAX	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MULTIFLORA FLOWER WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MULTIFLORA FLOWER WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MULTIFLORA FRUIT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MULTIFLORA FRUIT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA MULTIFLORA FRUIT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA OTTO (ROSE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE) EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE) FLOWER OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA OTTO (ROSE) FLOWER OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE) FLOWER OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA OTTO (ROSE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ROXBURGHII FRUIT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ROXBURGHII FRUIT EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA ROXBURGHII FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSA RUBIGINOSA OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUBIGINOSA OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUBIGINOSA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUBIGINOSA SEED OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUBIGINOSA SEED OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUBIGINOSA SEED OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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ROSA RUBIGINOSA SEED OIL PEG-8 ESTERS	Rosa Rubiginosa Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
ROSA RUGOSA (RAMANAS ROSE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA (RAMANAS ROSE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA (RAMANAS ROSE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA BUD POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA BUD POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA BUD POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA FLOWER EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA RUGOSA LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSA SPINOSISSIMA FRUIT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA SPINOSISSIMA FRUIT EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSA SPINOSISSIMA FRUIT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE APPLE (SYZYGIUM JAMBOS) LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE AROMATIC OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE AROMATIC OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE AROMATIC OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE ESSENCE	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE ESSENCE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE ESSENCE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE EXTRACT	Eugenol, contact allergen for eczema products	84696-47 -9	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE EXTRACT	Geraniol, contact allergen for eczema products	84696-47 -9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE EXTRACT	Linalool, contact allergen for eczema products	84696-47 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLORAL WAX	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSE FLORAL WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLORAL WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLOWER EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLOWER OIL	Eugenol, contact allergen for eczema products	8007-01- 0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLOWER OIL	Geraniol, contact allergen for eczema products	8007-01- 0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLOWER OIL	Linalool, contact allergen for eczema products	8007-01- 0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE FLOWER WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIP EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE HIP EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIP EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSE HIPS	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS	ROSE HIPS	0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
ROSE HIPS BIOFLAVONOIDS	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE HIPS BIOFLAVONOIDS	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS BIOFLAVONOIDS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS FLOWER WATER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS FRUIT OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS FRUIT OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS FRUIT OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS PLANT PHYTO	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSE HIPS PLANT PHYTO	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS SEED OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE HIPS SEED OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE HIPS SEED OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ROSE KETONE-3	ROSE KETONE3	57378-68 -4	The European Commission restricts this ingredient to a maximum concentration of 0.02% in nonoral products.	
ROSE KETONE-3	Rose ketones	57378-68 -4	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ROSE KETONE-3	Rose ketones	57378-68 -4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
ROSE KETONE-4	ROSE KETONE4	23696-85 -7	The European Commission restricts this ingredient to a maximum concentration of 0.02% in nonoral products.	
ROSE KETONE-4	Rose ketones	23696-85 -7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSE KETONE-4	Rose ketones	23696-85 -7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 7B) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
ROSE KETONE-5	ROSE KETONE5	33673-71- 1	The European Commission restricts this ingredient to a maximum concentration of 0.02%.	
ROSE KETONE-5	Rose ketones	33673-71- 1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ROSE KETONE-5	Rose ketones	33673-71- 1	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
ROSE OF SHARON (NARCISSUS TAZETTA) EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE PETAL EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE PETAL EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE PETAL EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE PETALS	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE PETALS	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ROSE PETALS	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE WATER, STRONGER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE WATER, STRONGER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSE WATER, STRONGER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ROSMARINUS OFFICINALIS (ROSEMARY) EXTRACT	ROSMARINUS OFFICINALIS (ROSEMARY) EXTRACT	84604-14 -8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.16% and when formulated to be non-sensitizing.	
ROSMARINUS OFFICINALIS (ROSEMARY) FLOWER EXTRACT	ROSMARINUS OFFICINALIS (ROSEMARY) FLOWER EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
ROSMARINUS OFFICINALIS (ROSEMARY) LEAF	ROSMARINUS OFFICINALIS (ROSEMARY) LEAF	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
ROSMARINUS OFFICINALIS (ROSEMARY) LEAF EXTRACT	ROSMARINUS OFFICINALIS (ROSEMARY) LEAF EXTRACT	84604-14 -8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 10% and when formulated to be non-sensitizing.	
ROSMARINUS OFFICINALIS (ROSEMARY) LEAF OIL	ROSMARINUS OFFICINALIS (ROSEMARY) LEAF OIL	8000-25- 7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1.5% when formulated to be non-sensitizing.	
ROSMARINUS OFFICINALIS (ROSEMARY) LEAF POWDER	ROSMARINUS OFFICINALIS (ROSEMARY) LEAF POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
ROSMARINUS OFFICINALIS (ROSEMARY) LEAF WATER	ROSMARINUS OFFICINALIS (ROSEMARY) LEAF WATER	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1% when formulated to be non-sensitizing.	
ROSMARINUS OFFICINALIS (ROSEMARY) WATER	ROSMARINUS OFFICINALIS (ROSEMARY) WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
ROYAL JELLY	Royal jelly	8031-67- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
RUBUS CHAMAEMORUS SEED OIL	RUBUS CHAMAEMORUS SEED OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
RUBUS CHAMAEMORUS SEED OIL	RUBUS CHAMAMORUS SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.1%	
RUBUS IDAEUS (RASPBERRY) SEED OIL	Rubus Idaeus (Raspberry) Seed Oil	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 5%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
RUTA GRAVEOLENS (RUE) EXTRACT	Rue oil	84929-47 -5	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.15% Category 2) 0.15% Category 3) 0.15% Category 4) 0.15% Category 5A) 0.15% Category 5B) 0.15% Category 5C) 0.15% Category 5D) 0.15% Category 6) 0.15% Category 7A) no restriction Category 7B) 0.15% Category 8) 0.15% Category 9) no restriction Category 10A) no restriction Category 10B) 0.15% Category 11A) no restriction Category 11B) 0.15% Category 12) no restriction	
RUTA GRAVEOLENS (RUE) EXTRACT	RUTA GRAVEOLENS (RUE) EXTRACT	84929-47 -5	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
RUTA GRAVEOLENS (RUE) OIL	Rue oil	8014-29- 7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.15% in leaveon products	
RUTA GRAVEOLENS (RUE) OIL	Rue oil	8014-29- 7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.15% Category 2) 0.15% Category 3) 0.15% Category 4) 0.15% Category 5A) 0.15% Category 5B) 0.15% Category 5C) 0.15% Category 5D) 0.15% Category 6) 0.15% Category 7A) no restriction Category 7B) 0.15% Category 8) 0.15% Category 9) no restriction Category 10A) no restriction Category 10B) 0.15% Category 11A) no restriction Category 11B) 0.15% Category 12) no restriction	
RUTA GRAVEOLENS (RUE) OIL	Rue oil	8014-29- 7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.15% Category 2) 0.15% Category 3) 0.15% Category 4) 0.15% Category 5A) 0.15% Category 5B) 0.15% Category 5C) 0.15% Category 5D) 0.15% Category 6) 0.15% Category 7A) no restriction Category 7B) 0.15% Category 8) 0.15% Category 9) no restriction Category 10A) no restriction Category 10B) 0.15% Category 11A) no restriction Category 11B) 0.15% Category 12) no restriction	
RUTA GRAVEOLENS (RUE) OIL	RUTA GRAVEOLENS (RUE) OIL	8014-29- 7	The European Commission restricts this ingredient's furocoumarines content (e.g. trioxysalen (INN), 8methoxypsoralen, 5methoxypsoralen) to below 1 mg/kg in sun protection and bronzing products (except for normal content in natural essences used).	
RUTILE	CLAYS AND MINERALS	1317-80-2	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
RUTILE	RUTILE	1317-80-2	Per the U.S. FDA., titanium dioxide shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 1 part per million. Antimony (as Sb), not more than 2 parts per million. Mercury (as Hg), not more than 1 part per million. Loss on ignition at 800 °C. (after drying for 3 hours at 105 °C.), not more than 0.5 percent. Water soluble substances, not more than 0.5 percent. Acid soluble substances, not more than 0.5 percent. TiO2, not less than 99.0 percent after drying for 3 hours at 105 °C. Lead, arsenic, and antimony shall be determined in the solution obtained by boiling 10 grams of the titanium dioxide for 15 minutes in 50 milliliters of 0.5N hydrochloric acid.	
S-TRIAZINE, 4,6-DIAMINO-2-NONOXY-	STriazine, 4,6Diamino2Nonoxy	19619-57- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SACCHARIDE HYDROLYSATE	SACCHARIDE HYDROLYSATE	8013-17- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Saccharina japonica	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
Saccharina japonica extract	Algae and related substances	92128-82 -0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
Saccharina japonica extract	Saccharina japonica extract	92128-82 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 5%.	
SACCHAROMYCES/ ZINC FERMENT	SACCHAROMYCES/ ZINC FERMENT	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
SACCHAROMYCES/LAMINAR IA SACCHARINA FERMENT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
Saccharomyces/Sugarcane Juice Extract Ferment Extract	Saccharomyces/Sugarcane Juice Extract Ferment Extract	0	The 2022 CIR Safety Assessment of Saccharum officinarum (Sugarcane)-Derived Ingredients as Used in Cosmetics states that sugarcane-derived ingredients, specifically sugar cane juice extract, are likely to be contaminated with PAHs, heavy metals (iron, zinc, manganese, copper, lead, cadmium, nickel, and cobalt), and pesticide residues.	
SACCHAROMYCES/ZINC/IR ON/GERMANIUM/COPPER/ MAGNESIUM/SILICON FERMENT	SACCHAROMYCES/ZINC/I RON/GERMANIUM/COPPE R/ MAGNESIUM/SILICON FERMENT	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
SACCHARUM OFFICINARUM (SUGAR CANE)	SACCHARUM OFFICINARUM (SUGAR CANE)	0	Per the Cosmetic Ingredient Review (CIR) February 2022 Safety Assessment of Saccharum officinarum (Sugarcane)-Derived Ingredients as Used in Cosmetics, sugarcane-derived ingredients may be contaminated with polycyclic aromatic hydrocarbons (PAHs) due to the burning that occurs during the harvest.	
SACCHARUM OFFICINARUM (SUGAR CANE) EXTRACT	SACCHARUM OFFICINARUM (SUGAR CANE) EXTRACT	91722-22- 4	Per the Cosmetic Ingredient Review (CIR) February 2022 Safety Assessment of Saccharum officinarum (Sugarcane)-Derived Ingredients as Used in Cosmetics, sugarcane-derived ingredients may be contaminated with polycyclic aromatic hydrocarbons (PAHs) due to the burning that occurs during the harvest.	
SACCHARUM OFFICINARUM (SUGAR CANE) JUICE	SACCHARUM OFFICINARUM (SUGAR CANE) JUICE	0	Per the Cosmetic Ingredient Review (CIR) February 2022 Safety Assessment of Saccharum officinarum (Sugarcane)-Derived Ingredients as Used in Cosmetics, sugarcane-derived ingredients may be contaminated with polycyclic aromatic hydrocarbons (PAHs) due to the burning that occurs during the harvest.	
SACCHARUM OFFICINARUM FERMENT EXTRACT	SACCHARUM OFFICINARUM FERMENT EXTRACT	91770-72 -8	Per the Cosmetic Ingredient Review (CIR) February 2022 Safety Assessment of Saccharum officinarum (Sugarcane)-Derived Ingredients as Used in Cosmetics, sugarcane-derived ingredients may be contaminated with polycyclic aromatic hydrocarbons (PAHs) due to the burning that occurs during the harvest.	
SACCHARUM OFFICINARUM WAX	SACCHARUM OFFICINARUM WAX	0	The Cosmetic Ingredient Review has determined this SACCHARUM OFFICINARUM WAX is safe at concentrations < 0.0012%	х
SACHARINA ANGUSTATA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SAFFLOWER SEED OIL PEG-8 ESTERS	SAFFLOWER SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SAFFLOWER SEED OIL PEG-8 ESTERS	Safflower Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SAGE FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SAGE FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALICYLALDEHYDE	o-Hydroxy- benzaldehyde	90-02-8	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
SALICYLIC ACID	Benzoic acid, 2hydroxy	69-72-7	Europe restricts this chemical: Maximum concentration in ready for use preparation: (a) Rinseoff hair products 3.0%, (b) Other products except body lotion, eye shadow, mascara, eyeliner, lipstick, roll on deodorant 2.0%; a) Not to be used in preparations for children under 3 years of age. Not to be used in applications that may lead to exposure of the end user, Äôs lungs by inhalation. Not to be used in oral products. b) For purposes other than inhibiting the development of microorganisms in the product. This purpose has to be apparent from the presentation of the product.	
SALICYLIC ACID	Salicylic acid	69-72-7	The European Commission restricts this ingredient to a maximum concentration of 3% in rinseoff hair products and 2% in all other products. Required Warning: The European Commission requires the following warning text on the label/package: 'Not to be used in preparations for children under 3 years of age, except for shampoos'	
SALICYLIC ACID	Salicylic acid	69-72-7	Europe restricts this chemical: Maximum concentration in ready for use preparation: 0.5%; Not to be used in products for children under 3 years of age; Not to be used in oral products; Not to be used in applications that may lead to exposure of the enduser,Äôs lungs by inhalation. Required warning: Not to be used for children under 3 years of age**. **Solely for products which might be used for children under 3 years of age.	
SALICYLIC ACID	SALICYLIC ACID	69-72-7	Per COSING, the maximum concentration in RTU preparation is 0.5%. This ingredient is not to be used in products for children under 3 years of age, in oral products, or in applications that may lead to exposure of the end-user's lungs by inhalation.	
SALICYLIC ACID	SALICYLICACID	69-72-7	Health Canada restricts this ingredient to a maximum concentration of 2%.	
SALICYLIC ACID	SALICYLICACID	69-72-7	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.2%.	
SALICYLIC ACID, ION(1-)	Salicylate	63-36-5	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 1%.	
SALVIA APIANA (WHITE SAGE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SALVIA APIANA (WHITE SAGE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA APIANA (WHITE SAGE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA APIANA (WHITE SAGE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA COLUMBARIAE (CHIA) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA COLUMBARIAE (CHIA) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA DORRII (DESERT SAGE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA DORRII (DESERT SAGE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA FRUTICOSA (SAGE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA FRUTICOSA (SAGE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA HISPANICA HERB EXTRACT	Geraniol, contact allergen for eczema products	93384-40 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA HISPANICA HERB EXTRACT	Linalool, contact allergen for eczema products	93384-40 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	х
SALVIA HISPANICA HERB OIL	Geraniol, contact allergen for eczema products	93384-40 -8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA HISPANICA HERB OIL	Linalool, contact allergen for eczema products	93384-40 -8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA HISPANICA SEED	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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SALVIA HISPANICA SEED	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA HISPANICA SEED EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA HISPANICA SEED EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA HISPANICA SEED OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA HISPANICA SEED OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA LAVANDULAEFOLIA LEAF OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA LAVANDULAEFOLIA LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA LAVANDULAEFOLIA OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA LAVANDULAEFOLIA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA LAVANDULIFOLIA (SPANISH SAGE) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA LAVANDULIFOLIA (SPANISH SAGE) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA LAVANDULIFOLIA HERB EXTRACT	Geraniol, contact allergen for eczema products	90106-49 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA LAVANDULIFOLIA HERB EXTRACT	Linalool, contact allergen for eczema products	90106-49 -3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA LAVANDULIFOLIA HERB OIL	Geraniol, contact allergen for eczema products	90106-49 -3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SALVIA LAVANDULIFOLIA HERB OIL	Linalool, contact allergen for eczema products	90106-49 -3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA MILTIORRHIZA EXTRACT	Geraniol, contact allergen for eczema products	90106-50 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA MILTIORRHIZA EXTRACT	Linalool, contact allergen for eczema products	90106-50 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) GLYCERITE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) GLYCERITE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) INFUSION	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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SALVIA OFFICINALIS (SAGE) INFUSION	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) LEAF	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) LEAF EXTRACT	Geraniol, contact allergen for eczema products	84082-79 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) LEAF EXTRACT	Linalool, contact allergen for eczema products	84082-79 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) LEAF OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA OFFICINALIS (SAGE) LEAF OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
SALVIA OFFICINALIS (SAGE) LEAF WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) LEAF WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) OIL	Geraniol, contact allergen for eczema products	8022-56- 8	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) OIL	Linalool, contact allergen for eczema products	8022-56- 8	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA OFFICINALIS (SAGE) POWDER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) ROOT EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SALVIA OFFICINALIS (SAGE) ROOT EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS (SAGE) WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA OFFICINALIS (SAGE) WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS FLOWER/LEAF/STEM EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS FLOWER/LEAF/STEM EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS LAVANDULIFOLIA HERB EXTRACT	Geraniol, contact allergen for eczema products	97952-71- 1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS LAVANDULIFOLIA HERB EXTRACT	Linalool, contact allergen for eczema products	97952-71- 1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA OFFICINALIS LAVANDULIFOLIA HERB OIL	Geraniol, contact allergen for eczema products	97952-71- 1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA OFFICINALIS LAVANDULIFOLIA HERB OIL	Linalool, contact allergen for eczema products	97952-71- 1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA SCLAREA (CLARY SAGE)	Geraniol, contact allergen for eczema products	84775-83 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA SCLAREA (CLARY SAGE)	Linalool, contact allergen for eczema products	84775-83 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA (CLARY SAGE) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA (CLARY SAGE) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA (CLARY SAGE) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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SALVIA SCLAREA (CLARY SAGE) FLOWER WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA (CLARY SAGE) HYDROSOL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA (CLARY SAGE) HYDROSOL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA (CLARY SAGE) OIL	Geraniol, contact allergen for eczema products	8016-63- 5	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA (CLARY SAGE) OIL	Linalool, contact allergen for eczema products	8016-63- 5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
SALVIA SCLAREA (CLARY) WAX	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA (CLARY) WAX	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA FLOWER OIL	Geraniol, contact allergen for eczema products	84775-83 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA FLOWER OIL	Linalool, contact allergen for eczema products	84775-83 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA FLOWER/LEAF/STEM CERA	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SALVIA SCLAREA FLOWER/LEAF/STEM CERA	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SANTALUM ALBUM (SANDALWOOD) OIL	Farnesol, contact allergen for eczema products	8006-87- 9	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SANTALUM ALBUM (SANDALWOOD) OIL	Santalum album oil	8006-87- 9	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
SANTALUM SPICATA WOOD OIL	Farnesol, contact allergen for eczema products	8024-35- 9	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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SANTALUM SPICATUM (SANDALWOOD) OIL	Farnesol, contact allergen for eczema products	0	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SAPONIFIED CANNABIS SATIVA (HEMP) OIL	CANNABIDIOL		FDA restriction on THC concentrations of industrial hemp and derivatives cannot exceed 0.3%.	
SAPONIFIED CANNABIS SATIVA (HEMP) OIL	CANNABIDIOL	0	This ingredient is prohibited from use in European cosmetic products if it is prepared as an extract or tincture or resin of Cannabis from the flowering or fruiting tops of the cannabis plant. This ingredient may be used in cosmetics when obtained from cannabis, cannabis resin, cannabis extracts and cannabis tinctures originating from the seeds and leaves that are not accompanied with the fruiting tops of the cannabis plant and if the level of THC does not exceed 0.2%.	
SARGASSEM FILIPENDULA (SEAWEED) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM FILIPENDULA (SARGASSUM WEED) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM FILIPENDULA (SARGASSUM WEED) EXTRACT	SARGASSUM FILIPENDULA (SARGASSUM WEED) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1.2%.	
SARGASSUM FUSIFORME EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM FUSIFORME EXTRACT	SARGASSUM FUSIFORME EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SARGASSUM FUSIFORME POWDER	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM MUTICUM EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM MUTICUM EXTRACT	SARGASSUM MUTICUM EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SARGASSUM PALLIDUM (SARGASSUM WEED)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SARGASSUM PALLIDUM (SARGASSUM WEED) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM PALLIDUM (SARGASSUM WEED) EXTRACT	SARGASSUM PALLIDUM (SARGASSUM WEED) EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SARGASSUM PALLIDUM POWDER	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM SEA MINERALS	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM SEA MINERALS	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
SARGASSUM VULGARE EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SARGASSUM VULGARE EXTRACT	SARGASSUM VULGARE EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SASSAFRAS OFFICINALE BARK/ROOT EXTRACT	SASSAFRAS OFFICINALE BARK/ROOT EXTRACT	0	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
SASSAFRAS OFFICINALE ROOT OIL	SASSAFRAS OFFICINALE ROOT OIL	8006-80- 2	The European Commission restricts this ingredient's safrole content (except for normal content in the natural essences used) to below 100ppm in the finished product, 50 ppm in products for dental and oral hygiene, and is not allowed in toothpastes intended specifically for children.	
SASSAFRAS OFFICINALE ROOT OIL	SASSAFRAS OFFICINALE ROOT OIL	8006-80- 2	Products containing this substance must contain less than 0.01% safrole as indicated by the International Fragrance Association	
SCENTENAL	Methoxy dicyclopentadiene carboxaldehyde	86803-90 -9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.19% Category 2) 0.057% Category 3) 1.2% Category 4) 1.1% Category 5A) 0.27% Category 5B) 0.27% Category 5C) 0.27% Category 5D) 0.091% Category 6) 0.63% Category 7A) 2.2% Category 7B) 2.2% Category 8) 0.091% Category 9) 2.1% Category 10A) 2.1% Category 10B) 7.5% Category 11A) 0.091% Category 11B) 0.091% Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SCENTENAL	Methoxy dicyclopentadiene carboxaldehyde (Scentenal)	86803-90 -9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.1% in lip products, 0.2% in deodorants/antiperspirants, 0.5% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.5% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 3.6% in mouthwashes, breath sprays, and toothpastes, 0.4% in intimate wipes, and baby wipes, 0.5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
SCENTENAL	SCENTENAL	86803-90 -9	The European Commission restricts this ingredient to a maximum concentration of 0.5%.	
SCHINZIOPHYTON RAUTANENII KERNEL OIL	SCHINZIOPHYTON RAUTANENII KERNEL OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SCLAREOL	SCLAREOL	515-03-7	The International Fragrance Association requires that theingredient has a purity of at least 98%.	
SCLEROCARYA BIRREA SEED OIL	SCLEROCARYA BIRREA SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
SCLEROCARYA BIRREA SEED OIL	SCLEROCARYA BIRREA SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%	
SCLEROTIUM GUM	SCLEROTIUM GUM	39464-87 -4	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
SCUTELLARIA BAICALENSIS	SCUTELLARIA BAICALENSIS EXTRACT	94279-99 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SCUTELLARIA BAICALENSIS ROOT POWDER	SCUTELLARIA BAICALENSIS ROOT POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SD ALCOHOL 3A	SD ALCOHOL 3A	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
SEA CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
SEA CLAY EXTRACT	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
SEBACIC ACID	SEBACIC ACID	111-20-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1% in rinseoff products and 0.03% in leavein products.	
Secondary alcohol ethoxylates	Secondary Alcohol Ethoxylates	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SELENIUM(IV) DISULFIDE (1:2)	SELENIUM(IV) DISULFIDE (1:2)	7488-56- 4	The European Commission restricts this ingredient to a maximum concentration of 1.0% Required Warning: The European Commission requires the following warning text on the product label/package: 'Contains selenium disulphide'; 'Avoid contact with eyes or damaged skin'	
SERICIN	SERICIN	60650-88 -6	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	
SERICIN	SERICIN	60650-88 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SERINE	SERINE	302-84-1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
SERUM ALBUMIN	Bovine Serum Albumin	9048-46- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SESAME AMINO ACIDS	SESAME AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SESAMIDE DEA	SESAMIDE DEA	124046-3 5-1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
SESAMIDE DEA	SESAMIDE DEA	124046-3 5-1	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
SESAMIDOPROPYL BETAINE	SESAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
SESAMIDOPROPYL DIMETHYLAMINE	Sesamidopropyl dimethylamine	0	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
SESAMUM INDICUM (SESAME) OIL	SESAMUM INDICUM (SESAME) OIL	8008-74- 0	The Cosmetic Ingredient Review found this substance was safe as used at a maximum concentration of 73%	
SESAMUM INDICUM (SESAME) OIL UNSAPONIFIABLES	SESAMUM INDICUM (SESAME) OIL UNSAPONIFIABLES	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SH-POLYPEPTIDE-11	Insufficient data ingredient	0	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	X
SH-POLYPEPTIDE-50	Insufficient data ingredient	0	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	X
SHEA BUTTER PEG-32 ESTERS	Shea Butter Peg32 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SHEA BUTTER PEG-8 ESTERS	Shea Butter Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SHEA BUTTERAMIDOPROPYL BETAINE	SHEA BUTTERAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
SHELLAC	Contact allergens for eczema products	9000-59- 3	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SHELLAC	SHELLAC	9000-59- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
SHELLAC CERA	Contact allergens for eczema products	0	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
SHELLAC WAX	Contact allergens for eczema products	97766-50 -2	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
SILANE	Silica, amorphous; silicate; borosilicate	7803-62- 5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILANE	Silica, amorphous; silicate; borosilicate	7803-62- 5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILANE, CHLOROTRIMETHYL-	Silica, amorphous; silicate; borosilicate	75-77-4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILANE, CHLOROTRIMETHYL-	Silica, amorphous; silicate; borosilicate	75-77-4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
Silane, dichlorodimethyl-, reaction products with silica	Silica, amorphous; silicate; borosilicate	68611-44 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
Silane, dichlorodimethyl-, reaction products with silica	Silica, amorphous; silicate; borosilicate	68611-44 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILANE, ETHYLTRICHLORO-	Silica, amorphous; silicate; borosilicate	115-21-9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILANE, ETHYLTRICHLORO-	Silica, amorphous; silicate; borosilicate	115-21-9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SILANE, TRICHLOROETHENYL-	Silica, amorphous; silicate; borosilicate	75-94-5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILANE, TRICHLOROETHENYL-	Silica, amorphous; silicate; borosilicate	75-94-5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILANE, TRIETHOXYVINYL-	Silica, amorphous; silicate; borosilicate	78-08-0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILANE, TRIETHOXYVINYL-	Silica, amorphous; silicate; borosilicate	78-08-0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA ACRYLATES COPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA ACRYLATES COPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA AEROGEL	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA AEROGEL	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA ALUMINA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA ALUMINA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

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SILICA DIMETHICONE SILYLATE	SILICA DIMETHICONE SILYLATE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
SILICA DIMETHICONE SILYLATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA DIMETHICONE SILYLATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA DIMETHYL SILYLATE	SILICA DIMETHYL SILYLATE	68611-44 -9	The CIR Expert Panel concluded that this ingredient is safe as used at concentrations <10% and when formulated and delivered in the final product not to be irritating or sensitizing to the respiratory tract.	
SILICA DIMETHYL SILYLATE	Silica, amorphous; silicate; borosilicate	68611-44 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA DIMETHYL SILYLATE	Silica, amorphous; silicate; borosilicate	68611-44 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA EXTRACT	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA EXTRACT	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA GEL	Silica, amorphous; silicate; borosilicate	63231-67- 4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA GEL	Silica, amorphous; silicate; borosilicate	63231-67- 4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SILICA GEL LIQUID	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA GEL LIQUID	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA OIL	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA OIL	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA POLYGLYCERYL-3	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA POLYGLYCERYL-3	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA SILCYLATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA SILCYLATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA SILYATE ALUMINA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA SILYATE ALUMINA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SILICA SILYLATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA SILYLATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA, AMORPHOUS	Silica, amorphous; silicate; borosilicate	7631-86-9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA, AMORPHOUS	Silica, amorphous; silicate; borosilicate	7631-86-9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA, AMORPHOUS-FUME	Silica, amorphous; silicate; borosilicate	69012-64 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA, AMORPHOUS-FUME	Silica, amorphous; silicate; borosilicate	69012-64 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA, FUMED	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICA, FUMED	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE	Silica, amorphous; silicate; borosilicate	12627-13- 3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE	Silica, amorphous; silicate; borosilicate	12627-13- 3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SILICATE, PORTLAND CEMENT	Silica, amorphous; silicate; borosilicate	65997-15 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE, PORTLAND CEMENT	Silica, amorphous; silicate; borosilicate	65997-15 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO-	Silica, amorphous; silicate; borosilicate	17084-08 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO-	Silica, amorphous; silicate; borosilicate	17084-08 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO- DINITRYL	Silica, amorphous; silicate; borosilicate	19184-38 -4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO- DINITRYL	Silica, amorphous; silicate; borosilicate	19184-38 -4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO-, ALUMINUM (3:2)	Aluminum Compounds	17099-70 -6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SILICATE(2-), HEXAFLUORO-, ALUMINUM (3:2)	Silica, amorphous; silicate; borosilicate	17099-70 -6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO-, ALUMINUM (3:2)	Silica, amorphous; silicate; borosilicate	17099-70 -6	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO-, STRONTIUM	Silica, amorphous; silicate; borosilicate	18943-30 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SILICATE(2-), HEXAFLUORO-, STRONTIUM	Silica, amorphous; silicate; borosilicate	18943-30 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO-, ZINC	Silica, amorphous; silicate; borosilicate	16871-71- 9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICATE(2-), HEXAFLUORO-, ZINC	Silica, amorphous; silicate; borosilicate	16871-71- 9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID (H2SIO3), DISODIUM SALT, PENTAHYDRATE	Silica, amorphous; silicate; borosilicate	10213-79- 3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID (H2SIO3), DISODIUM SALT, PENTAHYDRATE	Silica, amorphous; silicate; borosilicate	10213-79- 3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID (H2SIO4), TETRAKIS(1-METHYLPROPYL ) ESTER	Silica, amorphous; silicate; borosilicate	5089-76- 9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID (H2SIO4), TETRAKIS(1-METHYLPROPYL ) ESTER	Silica, amorphous; silicate; borosilicate	5089-76- 9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID (ORTHO)	Silica, amorphous; silicate; borosilicate	10193-36- 9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID (ORTHO)	Silica, amorphous; silicate; borosilicate	10193-36- 9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, CALCIUM SALT	Calcium silicate	1344-95- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SILICIC ACID, CALCIUM SALT	Silica, amorphous; silicate; borosilicate	1344-95- 2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, CALCIUM SALT	Silica, amorphous; silicate; borosilicate	1344-95- 2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, TETRA(2-ETHYLBUTYL) ESTER	Silica, amorphous; silicate; borosilicate	78-13-7	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, TETRA(2-ETHYLBUTYL) ESTER	Silica, amorphous; silicate; borosilicate	78-13-7	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, TETRAKIS(1,1-DIMETHYLPEN TYL) ESTER	Silica, amorphous; silicate; borosilicate	63449-47 -8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, TETRAKIS(1,1-DIMETHYLPEN TYL) ESTER	Silica, amorphous; silicate; borosilicate	63449-47 -8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, TETRAKIS(2-CHLOROETHYL) ESTER	Silica, amorphous; silicate; borosilicate	18290-84 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, TETRAKIS(2-CHLOROETHYL) ESTER	Silica, amorphous; silicate; borosilicate	18290-84 -1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, TETRAMETHYL ESTER	Silica, amorphous; silicate; borosilicate	681-84-5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILICIC ACID, TETRAMETHYL ESTER	Silica, amorphous; silicate; borosilicate	681-84-5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SILICONE QUATERNIUM-16/GLYCIDOX Y DIMETHICONE CROSSPOLYMER	SILICONE QUATERNIUM-16/GLYCIDO XY DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	-
SILICONE QUATERNIUM-16/GLYCIDOX Y DIMETHICONE CROSSPOLYMER	SILICONE QUATERNIUM-16/GLYCIDO XY DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
SILICONE QUATERNIUM-16/GLYCIDOX Y DIMETHICONE CROSSPOLYMER	SILICONE QUATERNIUM-16/GLYCIDO XY DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SILK	SILK	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SILK AMINO ACIDS	SILK AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SILK EXTRACT	SILK EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
SILK POWDER	SILK POWDER	9009-99- 8	The Cosmetic Ingredient Review found this substance	
SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA	Silica, amorphous; silicate; borosilicate	67762-90 -7	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA	Silica, amorphous; silicate; borosilicate	67762-90 -7	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILVER BOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILVER BOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SILVER COPPER ZEOLITE	SILVERCOPPERZEOLITE	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5% in rinseoff products (not applied to mucosa).	
SILVER COPPER ZEOLITE	SILVERCOPPERZEOLITE	0	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
SILVER COPPER ZEOLITE	SILVERCOPPERZEOLITE	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5% in leaveon products (not applied to mucosa).	
SILVER, COLLOIDAL	SILVER, COLLOIDAL	7440-22- 4	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SILVER, COLLOIDAL	SILVER, COLLOIDAL	7440-22- 4	Per the U.S. FDA., silver shall conform to the following specifications and shall be free from impurities other than those named to the extent that such other impurities may be avoided by good manufacturing practice: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 5 parts per million. Mercury (as Hg), not more than 1 part per million. Silver (as Ag), not less than 99.9 percent.	
SILYBUM MARIANUM SEED OIL	SILYBUM MARIANUM SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
SIMETHICONE	SIMETHICONE	8050-81- 5	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
SIMMONDSIA CHINENSIS (JOJOBA) ALCOHOL	JOJOBA ALCOHOL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
SIMMONDSIA CHINENSIS (JOJOBA) AMINO ACIDS	SIMMONDSIA CHINENSIS (JOJOBA) AMINO ACIDS	333338-0 7-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SIMMONDSIA CHINENSIS (JOJOBA) BUTTER	SIMMONDSIA CHINENSIS (JOJOBA) BUTTER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
SIMMONDSIA CHINENSIS (JOJOBA) OIL PEG-150 ESTERS	SIMMONDSIA CHINENSIS (JOJOBA) OIL PEG-150 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SIMMONDSIA CHINENSIS (JOJOBA) OIL PEG-150 ESTERS	Simmondsia Chinensis (jojoba) Oil Peg150 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SIMMONDSIA CHINENSIS (JOJOBA) OIL PEG-8 ESTERS	SIMMONDSIA CHINENSIS (JOJOBA) OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SIMMONDSIA CHINENSIS (JOJOBA) OIL PEG-8 ESTERS	Simmondsia Chinensis (jojoba) Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SIMMONDSIA CHINENSIS (JOJOBA) SEED WAX	SIMMONDSIA CHINENSIS (JOJOBA) SEED WAX	61789-91- 1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
SIMMONDSIA CHINENSIS (JOJOBA) WAX	JOJOBA WAX	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
SIMMONDSIA CHINENSIS (JOJOBA) WAX PEG-120 ESTERS	Simmondsia Chinensis (jojoba) Wax Peg120 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SIMMONDSIA CHINENSIS (JOJOBA) WAX PEG-80 ESTERS	Simmondsia Chinensis (jojoba) Wax Peg80 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SLAGS, FERROCHROMIUM-MANUFG.	Chromium Compounds	69012-27 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM	Chromium Compounds	7440-23- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM ACETATE	SODIUM ACETATE	127-09-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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SODIUM ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
SODIUM ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE/ACRYLAMIDE COPOLYMER	SODIÚM ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE/ACRYLAMIDE COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
SODIUM ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE/ACRYLAMIDE COPOLYMER	SODIUM ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE/ACRYLAMIDE COPOLYMER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1.5%	
SODIUM ACRYLATE/VINYL ALCOHOL COPOLYMER	SODIUM ACRYLATE/VINYL ALCOHOL COPOLYMER	27599-56 -0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
SODIUM ACRYLATE/VINYL ALCOHOL COPOLYMER	SODIUM ACRYLATE/VINYL ALCOHOL COPOLYMER	27599-56 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM ACRYLATES COPOLYMER	Acrylates copolymer and related substances	25549-84 -2	These substances must not be polymerized in benzene, and, per, U.S. Pharmacopeia standards, the total residual monomers may not exceed 2500 ppm. Additionally, the total residual methylacrylic acid and its salts may not exceed 100 ppm based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers and concerns about the toxicity of methylacrylic acid and its salts.	x
SODIUM ACRYLATES/ C10-30 ALKYL ACRYLATE CROSSPOLYMER	SODIUM ACRYLATES/ C10-30 ALKYL ACRYLATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
SODIUM ACRYLATES/ C10-30 ALKYL ACRYLATE CROSSPOLYMER	Sodium Acrylates/C1030 Alkyl Acrylate Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.3%	
SODIUM ACRYLATES/ VINYL ISODECANOATE CROSSPOLYMER	SODIUM ACRYLATES/ VINYL ISODECANOATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
SODIUM ACRYLATES/ VINYL ISODECANOATE CROSSPOLYMER	Sodium Acrylates/Vinyl Isodecanoate Crosspolymer	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.55%	
SODIUM ACRYLATES/ACROLEIN COPOLYMER	SODIUM ACRYLATES/ACROLEIN COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM ACRYLATES/BEHENETH-25 METHACRYLATE CROSSPOLYMER	SODIUM ACRYLATES/BEHENETH-25 METHACRYLATE CROSSPOLYMER	0	EWG restricts the summed concentration of residual monomers (methacrylic acid and its simple esters) to a maximum concentration of 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers due to concerns over dermal sensitization.	
SODIUM ACRYLATES/BEHENETH-25 METHACRYLATE CROSSPOLYMER	SODIUM ACRYLATES/BEHENETH-25 METHACRYLATE CROSSPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
SODIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	SODIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
SODIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	SODIUM ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM ACRYLOYLDIMETHYL TAURATE/ACRYLAMIDE/VP COPOLYMER	SODIUM ACRYLOYLDIMETHYL TAURATE/ACRYLAMIDE/V P COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
SODIUM ACRYLOYLDIMETHYL TAURATE/ACRYLAMIDE/VP COPOLYMER	SODIUM ACRYLOYLDIMETHYL TAURATE/ACRYLAMIDE/V P COPOLYMER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.65%	
SODIUM ALGIN SULFATE	SODIUM ALGIN SULFATE	9010-06- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM ALUM	Aluminum Compounds	10024-42 -7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM ALUMINUM CHLOROHYDROXY LACTATE	Aluminum Compounds	8038-93- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM ALUMINUM LACTATE	Aluminum Compounds	68953-69 -5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
Sodium Aluminum Phosphate	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM ASCORBATE	SODIUM ASCORBATE	134-03-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3%.	
SODIUM ASCORBYL PHOSPHATE	SODIUM ASCORBYL PHOSPHATE	66170-10 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
SODIUM ASTROCARYUM MURUMURUATE	SODIUM ASTROCARYUM MURUMURUATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.005%.	
SODIUM BABASSUATE	SODIUM BABASSUATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
SODIUM BEESWAX	SODIUM BEESWAX	97721-96- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	

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SODIUM BEHENATE	SODIUM BEHENATE	5331-77-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM BEHENOYL LACTYLATE	SODIUM BEHENOYL LACTYLATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%	
SODIUM BENZOATE	Benzoate	532-32-1	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
SODIUM BENZOATE	Benzoic acid	532-32-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
SODIUM BENZOATE	Sodium benzoate	532-32-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
SODIUM BENZOTRIAZOLYL BUTYLPHENOL SULFONATE	SODIUM BENZOTRIAZOLYL BUTYLPHENOL SULFONATE	92484-48 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM BIFLUORIDE	Fluoride containing substances	1333-83-1	Health Canada prohibits fluoride containing substances in oral products. EXCEPTION: sodium fluoride, sodium monofluorophosphate, and stannous fluoride may be used in medicinal oral products, as defined by Health Canada, Oral Health Products Monograph.	
SODIUM BIFLUORIDE	SODIUMFLUORIDE	1333-83-1	Health Canada restricts the use of this ingredient to nonoral products.	
SODIUM BISULFITE	Sodium bisulfite	7631-90- 5	The European Commission restricts this ingredient to a maximum concentration of 0.67% (as free SO2) in oxidative hair dyes, 6.7% (as free SO2) in hair straightening products, 0.45% (as free SO2) in selftanning face products, and 0.40% (as free SO2) in other selftanning products. For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent on the product label.	
SODIUM BISULFITE	Sodium bisulfite	7631-90- 5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.7%.	
SODIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM BOROSILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM C11-15 PARETH-7 CARBOXYLATE	Sodium C1115 Pareth7 Carboxylate	68603-23 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Sodium C12-14 Amines-tert-Alkylated Ethoxylated Sulfates	Sodium C1214 AminesTertAlkylated Ethoxylated Sulfates	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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SODIUM C12-14 OLEFIN SULFONATE	SODIUM C1214 OLEFIN SULFONATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2% in leaveon products. Additionally, CIR restricts the gamma sultone contents of this ingredient to the following concentrations: 10ppm for unsubstituted alkane sultones, 1ppm for chlorosultones, and 0.1ppm for unsaturated sultones.	
SODIUM C12-15 PARETH-6 CARBOXYLATE	Sodium C1215 Pareth6 Carboxylate	70632-06 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM C14-16 OLEFIN SULFONATE	SODIUM C1416 OLEFIN SULFONATE	68439-57 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2% in leaveon products. Additionally, CIR restricts the gamma sultone contents of this ingredient to the following concentrations: 10ppm for unsubstituted alkane sultones, 1ppm for chlorosultones, and 0.1ppm for unsaturated sultones.	
SODIUM C14-18 OLEFIN SULFONATE	SODIUM C1418 OLEFIN SULFONATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2% in leaveon products. Additionally, CIR restricts the gamma sultone contents of this ingredient to the following concentrations: 10ppm for unsubstituted alkane sultones, 1ppm for chlorosultones, and 0.1ppm for unsaturated sultones.	
SODIUM C16-18 OLEFIN SULFONATE	SODIUM C1618 OLEFIN SULFONATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2% in leaveon products. Additionally, CIR restricts the gamma sultone contents of this ingredient to the following concentrations: 10ppm for unsubstituted alkane sultones, 1ppm for chlorosultones, and 0.1ppm for unsaturated sultones.	
SODIUM CAPRATE	SODIUM CAPRATE	1002-62- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM CAPROYL LACTYLATE	SODIUM CAPROYL LACTYLATE	29051-57 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM CAPROYL METHYLTAURATE	SODIUM CAPROYL METHYLTAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM CAPROYL/LAUROYL LACTYLATE	SODIUM CAPROYL/LAUROYL LACTYLATE	13557-74 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%	
SODIUM CAPRYLATE	SODIUM CAPRYLATE	1984-06- 1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM CARBOMER	SODIUM CARBOMER	1401207- 41-7	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
	SODIUM CARBOMER	1401207- 41-7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.65% when formulated to be non-irritating.	
SUDIUM CARBONATE	soaium carbonate	497-19-8	this ingredient is safe as used up to a concentration of 25%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM CARBONATE PEROXIDE	SODIUM CARBONATE PEROXIDE	15630-89 -4	The European Commission restricts this ingredient to a maximum concentration of 12% of H2O2 (40 volumes, present or released) in hair products, 4% of H2O2 (present or released) in nail hardening products, 0.1% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in tooth whitening or bleaching products. Additionally, the products with this ingredient can only be sold to dental practitioners, and for each cycle of use, the first use must be done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards, the product may be provided to the consumer to complete the cycle of use. The product cannot to be used on a person under 18 years of age. Lastly, for products intended for eyelashes, the concentration cannot exceed 2% of H2O2, present or released, and is permitted for professional use only. Required Warning: The European Commission requires the following on the label/package of hair products: 'Wear suitable gloves'; 'Contains hydrogen peroxide'; 'Avoid contact with them'. For skin and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'; Concentration of H 2O 2 present or released indicated in percentage; 'Not to be used on a person under 18 years of age'; 'To be only sold to dental practitioners'; 'For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of us	
SODIUM CARBOXYDECYL PEG-8 DIMETHICONE	Sodium Carboxydecyl Peg8 Dimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM CARBOXYMETHYL BETAGLUCAN	SODIUM CARBOXYMETHYL BETAGLUCAN	9050-93- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
	DEXTRAN	-8	was safe as used at the reported concentrations of use.	
STARCH	STARCH	1	panel concludes this substance is safe as used up to a concentration of 4.7% provided it is produced using current good manufacturing practices (cGMPS).	
SODIUM CARRAGEENAN	SODIUM CARRAGEENAN	9061-82- 9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 15.7%.	
SODIUM CASEINATE	SODIUM CASEINATE	9005-46- 3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM CASTORATE	SODIUM CASTORATE	8013-06- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM CETEARETH-13 CARBOXYLATE	Sodium Ceteareth13 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM CETEARYL SULFATE	SODIUM CETEARYL SULFATE	59186-41 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
SODIUM CETETH-13 CARBOXYLATE	Sodium Ceteth13 Carboxylate	33939-65 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM CETETH-4 PHOSPHATE	Sodium Ceteth4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM CETYL SULFATE	SODIUM CETYL SULFATE	1120-01- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
SODIUM CHLORATE	sodium chlorate	7775-09- 9	The European Commission restricts this ingredient to a maximum concentration of 5% in toothpastes and 3% in all other products.	
SODIUM CITRATE	MONOSODIUM CITRATE	18996-35 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
SODIUM CITRATE	Sodium Citrate	18996-35 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
SODIUM COCETH SULFATE/ PEG-40 GLYCERYL COCOATE	Sodium Coceth Sulfate/ Peg40 Glyceryl Cocoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM COCETH-30 SULFATE	Sodium Coceth30 Sulfate	68891-38 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM COCOAMPHOACETATE	sodium cocoamphoacetate	68334-21 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 18%.	
SODIUM COCOAMPHOPROPIONATE	COCOAMPHOPROPIONATE	68988-63 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
SODIUM COCOAMPHOPROPIONATE	SODIUM COCOAMPHOPROPIONATE	68988-63 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
SODIUM COCOATE	SODIUM COCOATE	61789-31- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 52%.	
SODIUM COCOYL AMINO ACIDS	Sodium Cocoyl Amino acids	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
SODIUM COCOYL APPLE AMINO ACIDS	Sodium Cocoyl Apple amino acids	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 3%	
SODIUM COCOYL COLLAGEN AMINO ACIDS	Sodium Cocoyl collagen amino acids	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.02%	
SODIUM COCOYL GLUTAMATE	Sodium cocoyl glutamate	68187-32 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 10%	
SODIUM COCOYL GLUTAMATE	SODIUM COCOYL GLUTAMATE	68187-32 -6	The Cosmetic Review Ingredient Expert Panel concluded this ingredient is safe in the present practices of use and concentration in cosmetics, when formulated to be nonirritating and concentration of this ingredient is < 10%	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM COCOYL GLYCINATE	Sodium cocoyl glycinate	90387-74 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 20%	
SODIUM COCOYL LACTYLATE	SODIUM COCOYL LACTYLATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%	
SODIUM COCOYL SARCOSINATE	SODIUM COCOYL SARCOSINATE	61791-59- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, it cannot be used in products where Nnitroso compounds may be formed.	
SODIUM COCOYL TAURATE	SODIUM COCOYL TAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM CUMENESULFONATE	SODIUM CUMENESULFONATE	28348-53 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
SODIUM DECETH SULFATE	SODIUM DECETH SULFATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DECETH-2 CARBOXYLATE	Sodium Deceth2 Carboxylate	38815-93 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DECETH-3 SULFATE	Sodium Deceth3 Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DEHYDROACETATE	SODIUM DEHYDROACETATE	4418-26- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.6%.	
SODIUM DEXTRAN SULFATE	SODIUM DEXTRAN SULFATE	9011-18-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM DEXTRIN OCTENYLSUCCINATE	SODIUM DEXTRIN OCTENYLSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM DICETEARETH-10 PHOSPHATE	Sodium Diceteareth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DICOCOYLETHYLENEDIAMI NE PEG-15 STEARATE	Sodium Dicocoylethylenediamine Peg15 Stearate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DICOCOYLETHYLENEDIAMI NE PEG-15 SULFATE	Sodium Dicocoylethylenediamine Peg15 Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DILAURETH-10 PHOSPHATE	Sodium Dilaureth10 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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SODIUM DILAURETH-4 PHOSPHATE	Sodium Dilaureth4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DILAURETH-7 CITRATE	Sodium Dilaureth7 Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DILINOLEATE	SODIUM DILINOLEATE	67701-20 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM DIMETHICONE PEG-7 ACETYL METHYLTAURATE	Sodium Dimethicone Peg7 Acetyl Methyltaurate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM DIOLETH-8 PHOSPHATE	Sodium Dioleth8 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
Sodium Disilicate	Silica, amorphous; silicate; borosilicate	13870-28 -5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
Sodium Disilicate	Silica, amorphous; silicate; borosilicate	13870-28 -5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM EDTA	EDTA	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
SODIUM ERYTHORBATE	SODIUM ERYTHORBATE	6381-77-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
SODIUM ETIDRONATE	DISODIUM ETIDRONATE	7414-83- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to %	
SODIUM ETIDRONATE	SODIUM ETIDRONATE	7414-83- 7	The European Commission restricts this ingredient to a maximum concentration of 1.5% (as etidronic acid) in hair products, and 0.2% (as etidronic acid) in soap products.	
SODIUM FLUOALUMINATE	Aluminum Compounds	15096-52 -3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM FLUORIDE	Fluoride containing substances	7681-49- 4	Health Canada prohibits fluoride containing substances in oral products. EXCEPTION: sodium fluoride, sodium monofluorophosphate, and stannous fluoride may be used in medicinal oral products, as defined by Health Canada, Oral Health Products Monograph.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM FLUORIDE	sodium fluoride	7681-49- 4	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains sodium fluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
SODIUM FLUORIDE	sodium fluoride	7681-49- 4	Due to fluoride toxicity concerns, this ingredient cannot be used in products marketed for use on babies or children.	
SODIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	16893-85 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	16893-85 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM FLUOROSILICATE	Sodium Fluorosilicate	16893-85 -9	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains sodium fluorosilicate'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM FRUCTOBORATE	SODIUM FRUCTOBORATE	0	The European Commission restricts this ingredient to a maximum concentration of 5% (as boric acid) in talc, but it cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). Additionally, the European Commission restricts its concentration to 0.1% (as boric acid) in oral products. For all other products (excluding bath products and hair waving products), the maximum concentration is restricted to 3% (as boric acid) and cannot be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1.5% (as boric acid). For all product types, this ingredient cannot be used for children under 3 years of age. Required Warning: The European Commission requires the following warning text on the label/package of talc products, the following are required on the product label/package: 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'. Lastly, for all other product types (excluding bath products and hair waving products), the following are required on the label/package: 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years of age'; 'Not to be used for children under 3 years	
SODIUM GLUCONATE	SODIUM GLUCONATE	527-07-1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 12%.	
SODIUM GLYCINATE	SODIUM GLYCINATE	6000-44- 8	was safe as used at the reported concentrations of use.	
SODIUM GLYCOLATE	SODIUM GLYCOLATE	2836-32- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
SODIUM HEXAMETAPHOSPHATE	SODIUM HEXAMETAPHOSPHATE	10124-56 -8	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: lead.	
SODIUM HYALURONATE	SODIUM HYALURONATE	9067-32- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
SODIUM HYDROGENATED TALLOWATE	SODIUM HYDROGENATED TALLOWATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM HYDROGENATED TALLOWOYL GLUTAMATE	Sodium hydrogenated tallowoyl glutamate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.8%	
SODIUM HYDROLYZED CASEIN	SODIUM HYDROLYZED CASEIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM HYDROXIDE	Sodium hydroxide	1310-73-2	The European Commission restricts this ingredient to a maximum concentration of 5% in nail cuticle solvent, 2% in general use hair straighteners, and 4.5% in professional use hair straighteners (The quantity of sodium, potassium or lithium hydroxide is expressed as weight of sodium hydroxide. In cases of mixtures, the sum should not exceed the limits given 'Maximum concentration in ready for use preparation'). The European Commission also restricts final formulation pH up to 12.7 as a pH adjuster for depilatories and up to 11 for other uses. Required Warning: The European Commission requires the following warning text on the product label/package of nail cuticle solvents and general use hair straighteners: 'Contains alkali'; 'Avoid contact with eyes'; 'Can cause blindness'; 'Keep out of reach of children'. For professional use hair straighteners, the following are required: 'Avoid contact with eyes'; 'Can cause blindness'. Lastly, as a pH adjuster for depilatories, the following are required on the label: 'Keep out of reach of children'; 'Avoid contact with eyes'	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM HYDROXIDE	Sodium hydroxide	1310-73-2	(*) The Cosmetic Ingredient Review has determined that users should minimize skin contact for hair straighteners and depilatories that contain this ingredient.	
SODIUM HYDROXIDE	SODIUM HYDROXIDE	1310-73-2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 12.9% when formulated to be non-irritating.	
SODIUM HYDROXYPROPYL STARCH PHOSPHATE	Insufficient data ingredient	221355-2 2-2	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	x
SODIUM HYDROXYPROPYL STARCH PHOSPHATE	SODIUM HYDROXYPROPYL STARCH PHOSPHATE	221355-2 2-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4.5%	
SODIUM HYDROXYSTEARATE	SODIUM HYDROXYSTEARATE	13329-67- 4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM HYPOCHLORITE	Sodium Hypochlorite	7681-52- 9	This substance may not be used in leaveon products because it can cause severe skin burns, according to harmonized GHS classifications.	
SODIUM HYPOCHLORITE	Sodium Hypochlorite	7681-52- 9	This substance may not be used around the eyes or other mucus membranes because it can cause serious eye damage and severe skin burns, according to harmonized GHS classifications.	
SODIUM HYPOCHLORITE	Sodium Hypochlorite	7681-52- 9	This substance may not be used in powder or spray products because it is classified as an asthmagen by AOEC.	
SODIUM HYPOCHLORITE	Sodium Hypochlorite	7681-52- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM ISETHIONATE	Sodium Isethionate	1562-00- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 6%	
SODIUM ISOSTEARATE	SODIUM ISOSTEARATE	64248-79 -9	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <3%	
SODIUM ISOSTEAROYL LACTYLATE	SODIUM ISOSTEAROYL LACTYLATE	66988-04 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%	
SODIUM LACTATE	SODIUM LACTATE	72-17-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 in regular use products. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
SODIUM LANETH SULFATE	SODIUM LANETH SULFATE	68919-23 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LANOLATE	SODIUM LANOLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM LARDATE	SODIUM LARDATE	68605-06 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM LAURATE	SODIUM LAURATE	629-25-4	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <14%	
SODIUM LAURETH SULFATE	SODIUM LAURETH SULFATE	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM LAURETH SULFATE	Sodium Laureth12 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH SULFATE	Sodium Laureth40 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH SULFATE	Sodium Laureth5 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH SULFATE	Sodium Laureth7 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH SULFATE	Sodium Laureth8 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH SULFOSUCCINATE	Sodium Laureth Sulfosuccinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-1 SULFATE	Sodium Laureth1 Sulfate	15826-16 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-11 CARBOXYLATE	Sodium Laureth11 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-12 CARBOXYLATE	Sodium Laureth12 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-12 SULFATE	Sodium Laureth12 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth11 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth12 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth13 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth14 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth17 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth3 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth4 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth5 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth6 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-13 CARBOXYLATE	Sodium Laureth8 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-14 CARBOXYLATE	Sodium Laureth14 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-16 CARBOXYLATE	Sodium Laureth16 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM LAURETH-17 CARBOXYLATE	Sodium Laureth17 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-2 PHOSPHATE	Sodium Laureth2 Phosphate	42612-52 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-2 PHOSPHATE	Sodium Laureth4 Phosphate	42612-52 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-2 SULFATE	Sodium Laureth2 Sulfate	3088-31- 1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-3 CARBOXYLATE	Sodium Laureth3 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-3 SULFATE	Laureth3 Sodium Sulfate	13150-00 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-4 CARBOXYLATE	Sodium Laureth4 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-4 PHOSPHATE	Sodium Laureth4 Phosphate	42612-52 -2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-40 SULFATE	Sodium Laureth40 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-5 CARBOXYLATE	Sodium Laureth5 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-5 SULFATE	Sodium Laureth5 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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SODIUM LAURETH-6 CARBOXYLATE	Sodium Laureth6 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-7 SULFATE	Sodium Laureth7 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-7 TARTRATE	Sodium Laureth7 Tartrate	141250-4 2-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-8 CARBOXYLATE	Sodium Laureth8 Carboxylate	33939-64 -9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-8 SUFLATE	Sodium Laureth8 Suflate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURETH-8 SULFATE	Sodium Laureth8 Sulfate	9004-82- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM LAURIMINODIPROPIONATE	SODIUM LAURIMINODIPROPIONAT E	26256-79 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.05% in rinseoff products.	
SODIUM LAUROAMPHOACETATE	SODIUM LAUROAMPHOACETATE	66161-62- 4	This substance must not contain any residual aminoethylethanolamine (AEE).	
SODIUM LAUROYL ASPARTATE	Sodium lauroyl aspartate	41489-18 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
SODIUM LAUROYL GLUTAMATE	Sodium lauroyl glutamate	29923-31- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 40%	
SODIUM LAUROYL LACTYLATE	Sodium lauroyl lactylate	13557-75 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%	
Sodium Lauroyl Methyl Isethionate	Sodium Lauroyl Methyl Isethionate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when formulated to be nonirritating up to 10%	
SODIUM LAUROYL OAT AMINO ACIDS	Sodium lauroyl oat amino acids	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 5%	
SODIUM LAUROYL SARCOSINATE	SODIUM LAUROYL SARCOSINATE	137-16-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, it cannot be used in products where Nnitroso compounds may be formed.	
SODIUM LAUROYL SARCOSINATE	SODIUMLAUROYLSARCOSI NATE	137-16-6	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.5% in toothpaste.	
SODIUM LAUROYL SARCOSINATE	SODIUMLAUROYLSARCOSI NATE	137-16-6	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in leaveon products.	
SODIUM LAUROYL TAURATE	SODIUM LAUROYL TAURATE	70609-66 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM LAURYL SULFATE	SODIUM LAURYL SULFATE	151-21-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1% in leaveon products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM LAURYL SULFOACETATE	SODIUM LAURYL SULFOACETATE	1847-58- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 21%.	
SODIUM LEVULINATE	SODIUM LEVULINATE	19856-23 -6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.62% when formulated to be non-irritating.	
SODIUM LINOLEATE	SODIUM LINOLEATE	822-17-3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM MAGNESIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	85085-18 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM MAGNESIUM FLUOROSILICATE	Silica, amorphous; silicate; borosilicate	85085-18 -3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM MAGNESIUM SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM MAGNESIUM SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	101659-0 1-2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM MAGNESIUM SILICATE	Silica, amorphous; silicate; borosilicate	101659-0 1-2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM MAGNESIUM SILICATE	SODIUM MAGNESIUM SILICATE	101659-0 1-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
SODIUM MALATE	SODIUM MALATE	676-46-0	The Cosmetic Ingredient Review restricts the use of this ingredient as a pH adjuster.	
SODIUM METABISULFITE	Contact allergens for eczema products	7681-57- 4	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
SODIUM METABISULFITE	Sodium Metabisulfite	7681-57- 4	The European Commission restricts this ingredient to a maximum concentration of 0.67% (as free SO2) in oxidative hair dyes, 6.7% (as free SO2) in hair straightening products, 0.45% (as free SO2) in selftanning face products, and 0.40% (as free SO2) in other selftanning products. For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent on the product label.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM METABISULFITE	Sodium Metabisulfite	7681-57- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 14%.	
SODIUM METABISULFITE	Sodium Metabisulfite	7681-57- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM METAPHOSPHATE	SODIUM METAPHOSPHATE	10361-03 -2	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: lead.	
SODIUM METASILICATE	Silica, amorphous; silicate; borosilicate	6834-92- 0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM METASILICATE	Silica, amorphous; silicate; borosilicate	6834-92- 0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM METASILICATE	SODIUM METASILICATE	6834-92- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 14%.	
SODIUM METHACRYLATE/STYRENE COPOLYMER	SODIUM METHACRYLATE/STYRENE COPOLYMER	33970-45 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM METHYL LAUROYL TAURATE	SODIUM METHYL LAUROYL TAURATE	4337-75- 1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.7% and when formulated to be non-irritating.	
SODIUM METHYL MYRISTOYL TAURATE	SODIUM METHYL MYRISTOYL TAURATE	18469-44 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM METHYL OLEYL TAURATE	SODIUM METHYL OLEYL TAURATE	137-20-2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 28% when formulated to be non-irritating.	
SODIUM METHYL PALMITOYL TAURATE	SODIUM METHYL PALMITOYL TAURATE	3737-55-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM METHYL STEAROYL TAURATE	SODIUM METHYL STEAROYL TAURATE	149-39-3	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 4% when formulated to be non-irritating.	
SODIUM METHYL TAURATE	SODIUM METHYL TAURATE	4316-74- 9	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 3% and when formulated to be non-irritating.	
SODIUM METHYLTAURINE COCOYL METHYLTAURATE	SODIUM METHYLTAURINE COCOYL METHYLTAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM MONOFLUOROPHOSPHATE	Fluoride	10163-15- 2	Health Canada restricts the use of this ingredient to nonoral products.	
SODIUM MONOFLUOROPHOSPHATE	Fluoride containing substances	10163-15- 2	Health Canada prohibits fluoride containing substances in oral products. EXCEPTION: sodium fluoride, sodium monofluorophosphate, and stannous fluoride may be used in medicinal oral products, as defined by Health Canada, Oral Health Products Monograph.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM MONOFLUOROPHOSPHATE	sodium monofluorophosphate	10163-15- 2	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains sodium monofluorophosphate'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
SODIUM MONOFLUOROPHOSPHATE	SODIUMMONOFLUOROPH OSPHATE	10163-15- 2	Health Canada restricts the use of this ingredient to nonoral products.	
SODIUM MYRISTATE	SODIUM MYRISTATE	822-12-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
SODIUM MYRISTOYL GLUTAMATE	Sodium myristoyl glutamate	38517-37- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 31%	
SODIUM MYRISTOYL SARCOSINATE	SODIUM MYRISTOYL SARCOSINATE	30364-51 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, it cannot be used in products where Nnitroso compounds may be formed.	
SODIUM NAPHTHALENESULFONATE	SODIUM NAPHTHALENESULFONAT E	532-02-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
SODIUM NONOXYNOL-1 SULFATE	Sodium Nonoxynol1 Sulfate	9014-90- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM NONOXYNOL-10 SULFATE	Sodium Nonoxynol10 Sulfate	9014-90- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM NONOXYNOL-25 SULFATE	Sodium Nonoxynol25 Sulfate	9014-90- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM NONOXYNOL-3 SULFATE	Sodium Nonoxynol3 Sulfate	9014-90- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM NONOXYNOL-4 SULFATE	Sodium Nonoxynol4 Sulfate	9014-90- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM NONOXYNOL-6 PHOSPHATE	Sodium Nonoxynol6 Phosphate	12068-19 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM NONOXYNOL-6 SULFATE	Sodium Nonoxynol6 Sulfate	9014-90- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM NONOXYNOL-8 SULFATE	Sodium Nonoxynol8 Sulfate	9014-90- 8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM NONOXYNOL-9 PHOSPHATE	Sodium Nonoxynol9 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM OCTOXYNOL-2 ETHANE SULFONATE	SODIUM OCTOXYNOL2 ETHANE SULFONATE	2917-94- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
SODIUM OCTOXYNOL-2 SULFATE	SODIUM OCTOXYNOL2 SULFATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
SODIUM OCTOXYNOL-6 SULFATE	SODIUM OCTOXYNOL6 SULFATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
SODIUM OCTOXYNOL-9 SULFATE	SODIUM OCTOXYNOL9 SULFATE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: ethylene oxide and 1,4dioxane.	
SODIUM OLEATE	SODIUM OLEATE	143-19-1	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <2.7%	
SODIUM OLEOYL LACTYLATE	SODIUM OLEOYL LACTYLATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM OLETH SULFATE	SODIUM OLETH SULFATE	27233-34 -7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM OLETH-2 SULFATE	Sodium Oleth2 Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM OLETH-7 PHOSPHATE	Sodium Oleth7 Phosphate	57486-09 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM OLETH-7 PHOSPHATE	Sodium Oleth8 Phosphate	57486-09 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM OLETH-8 PHOSPHATE	Sodium Oleth8 Phosphate	57486-09 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM OLIVATE	SODIUM OLIVATE	61789-88 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 18%.	
SODIUM OLIVATE	SODIUM OLIVATE	61789-88 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 18%	
SODIUM OXALATE	SODIUM OXALATE	62-76-0	The European Commission restricts this ingredient to a maximum concentration of 5%, and is only allowed in Professional Use products. Required Warning: The European Commission requires the following warning text on the product label/package: 'For professional use only.'	
SODIUM P-CHLORO-M-CRESOL	SODIUM PCHLOROMCRESOL	15733-22- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
SODIUM PALM KERNELATE	SODIUM PALM KERNELATE	61789-89 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 44%	
SODIUM PALMATE	Sodium Palmate	61790-79 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 68%	
SODIUM PALMITATE	SODIUM PALMITATE	408-35-5	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <55.8%	
SODIUM PALMOYL GLUTAMATE	Sodium palmoyl glutamate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 22%	
SODIUM PANTOTHENATE	SODIUM PANTOTHENATE	867-81-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM PARABEN	SODIUM PARABEN	114-63-6	Per COSING, the maximum concentration in RTU preparation is 0.4% (as acid) for single ester and 0.8% (as acid) for mixtures of esters.	
SODIUM PCA	SODIUM PCA	28874-51 -3	The Cosmetic Ingredient Review restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
SODIUM PCA	SODIUM PCA	28874-51 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%	
SODIUM PEG-3 LAURAMIDE CARBOXYLATE	Sodium Peg3 Lauramide Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PEG-4 COCAMIDE SULFATE	Sodium Peg4 Cocamide Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PEG-4 LAURAMIDE CARBOXYLATE	Sodium Peg4 Lauramide Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PEG-4 LAURAMIDE SULFATE	Sodium Peg4 Lauramide Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM PEG-4 TRIDECYL ETHER SULFATE	Sodium Peg4 Tridecyl Ether Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	SODIUM PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	Sodium Peg50 Hydrogenated Castor Oil Succinate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PEG-6 COCAMIDE CARBOXYLATE	Sodium Peg6 Cocamide Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PEG-7 OLIVE OIL CARBOXYLATE	Sodium Peg7 Olive Oil Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PEG-8 COCAMIDE CARBOXYLATE	Sodium Peg8 Cocamide Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PEG-8 PALM GLYCERIDES CARBOXYLATE	Sodium Peg8 Palm Glycerides Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM PERSULFATE	SODIUM PERSULFATE	7775-27-1	The Cosmetic Ingredient Review restricts the use of this ingredient as an oxidizing agent in hair colorants and lighteners designed for brief, discontinuous use followed by thorough rinsing from hair and skin. The available data are insufficient for determining the safety of these persulfates in leaveon products and dentrifrices.	
SODIUM PHYTATE	Sodium Phytate	14306-25 -3	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 0.5%.	
SODIUM POLYACRYLATE	SODIUM POLYACRYLATE	9003-04- 7	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used at concentrations up to 29.7% when formulated to be non-irritating.	
SODIUM POLYACRYLOYLDIMETHYL TAURATE	Sodium Polyacryloyldimethyl Taurate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 1%	
SODIUM POLYGAMMA-GLUTAMATE	Insufficient data ingredient	0	This ingredient does not have sufficient data to accurate assess its safety in personal care products. Further data is required to substantiate its safety for use in EWG Verified personal care products.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM POLYMETHACRYLATE	SODIUM POLYMETHACRYLATE	54193-36 -1	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
SODIUM POLYMETHACRYLATE	SODIUM POLYMETHACRYLATE	54193-36 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM POLYNAPHTHALENESULFON ATE	SODIUM POLYNAPHTHALENESULFO NATE	9084-06- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.3% in skin care products.	
SODIUM POTASSIUM ALUMINOSILICATE	Aluminum Compounds	12736-96- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM POTASSIUM ALUMINOSILICATE	Silica, amorphous; silicate; borosilicate	12736-96- 8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM POTASSIUM ALUMINOSILICATE	Silica, amorphous; silicate; borosilicate	12736-96- 8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM POTASSIUM ALUMINUM SILICATE	Aluminum Compounds	1302-72-3	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM POTASSIUM ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	1302-72-3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM POTASSIUM ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	1302-72-3	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM PROPOXYHYDROXYPROPYL THIOSULFATE SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM PROPOXYHYDROXYPROPYL THIOSULFATE SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM SALICYLATE	Salicylic acid and its salts	54-21-7	Europe restricts this chemical: Maximum concentration in ready for use preparation: 0.5%; Not to be used in products for children under 3 years of age, except for shampoos. Required Warning: Required warning: Not to be used for children under 3 years of age***. ***Solely for products which might be used for children under 3 years of age and which remain in prolonged contact with the skin.	
SODIUM SALICYLATE	SODIUM SALICYLATE	54-21-7	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
SODIUM SALICYLATE	SODIUM SALICYLATE	54-21-7	Per COSING, the maximum concentration in RTU preparation is 0.5%. This ingredient is not to be used in products for children under 3 years of age (except for shampoos), in oral products, or in applications that may lead to exposure of the end-user's lungs by inhalation.	
SODIUM SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM SILICATE	Silica, amorphous; silicate; borosilicate	15859-24 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM SILICATE	Silica, amorphous; silicate; borosilicate	1344-09- 8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM SILICATE	Silica, amorphous; silicate; borosilicate	15859-24 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM SILICATE	Silica, amorphous; silicate; borosilicate	1344-09- 8	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM SILICOALUMINATE	Aluminum Compounds	1344-00- 9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM SILICOALUMINATE	Silica, amorphous; silicate; borosilicate	1344-00- 9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

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SODIUM SILICOALUMINATE	Silica, amorphous; silicate; borosilicate	1344-00- 9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM SILVER ALUMINUM SILICATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SODIUM SILVER ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM SILVER ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SODIUM STARCH OCTENYLSUCCINATE	SODIUM STARCH OCTENYLSUCCINATE	52906-93 -1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.26%.	
SODIUM STEARATE	SODIUM STEARATE	822-16-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
SODIUM STEAROYL GLUTAMATE	Sodium stearoyl glutamate	38517-23- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
SODIUM STEAROYL LACTYLATE	Sodium stearoyl lactylate	25383-99 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%	
SODIUM STEAROYL LACTYLATE	SODIUM STEAROYL LACTYLATE	25383-99 -7	The Cosmetic Ingredient Review Expert Panel concluded this ingredient is safe as used at concentrations below 7%	
SODIUM STYRENE/ ACRYLATES COPOLYMER	SODIUM STYRENE/ ACRYLATES COPOLYMER	9010-92- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM STYRENE/ PEG-10 MALEATE/ NONOXYNOL-10 MALEATE/ ACRYLATES COPOLYMER	Sodium Styrene/ Peg10 Maleate/ Nonoxynol10 Maleate/ Acrylates Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM STYRENE/ACRYLATES/ETHY LHEXYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	SODIUM STYRENE/ACRYLATES/ETH YLHEXYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM STYRENE/ACRYLATES/PEG-1 0 DIMALEATE COPOLYMER	Sodium Styrene/acrylates/peg10 Dimaleate Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM STYRENE/PEG-10 MALEATE/NONOXYNOL-10 MALEATE/ACRYLATE COPOL	Sodium Styrene/peg10 Maleate/nonoxynol10 Maleate/acrylate Copol	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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SODIUM SULFIDE	SODIUM SULFIDE	16721-80 -5	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
SODIUM SULFIDE	SODIUM SULFIDE	16721-80 -5	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
SODIUM SULFIDE	SODIUM SULFIDE	1313-82-2	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
SODIUM SULFIDE	SODIUMSULFIDE	16721-80 -5	Health Canada restricts this ingredient to a maximum concentration of 2% (sulfur) in depilatory products.	
SODIUM SULFIDE	SODIUMSULFIDE	1313-82-2	Health Canada restricts this ingredient to a maximum concentration of 2% (sulfur) in depilatory products.	
SODIUM SULFITE	SODIUM SULFITE	7757-83- 7	The European Commission restricts this ingredient to a maximum concentration of 0.67% (as free SO2) in oxidative hair dyes, 6.7% (as free SO2) in hair straightening products, 0.45% (as free SO2) in selftanning face products, and 0.40% (as free SO2) in other selftanning products. For purposes other than inhibiting the development of microorganisms in the product, this purpose has to be apparent on the product label.	
SODIUM SULFITE	SODIUM SULFITE	7757-83- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
SODIUM SWEET ALMONDATE	SODIUM SWEET ALMONDATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
SODIUM TALLOWATE	SODIUM TALLOWATE	8052-48- 0	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <80%	
SODIUM TAURATE	SODIUM TAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SODIUM TAURINE COCOYL METHYLTAURATE	SODIUM TAURINE COCOYL METHYLTAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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SODIUM THIOGLYCOLATE	SODIUM THIOGLYCOLATE	367-51-1	The European Commission restricts this ingredient to a maximum concentration of 8% (as thioglycolic acid) with a pH of 7 to 9.5 in general use hair products, 11% (as thioglycolic acid) with a pH of 7 to 9.5 in professional use hair products, 5% (as thioglycolic acid) with a pH of 7 to 9.5 in hair rinseoff products. Required Warning: The European Commission requires the following conditions of use on the label/package of hair products, depilatories and hair rinseoff products: 'Avoid contact with eyes'; 'In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice'. Additionally, the following conditions of use or hair products and hair rinseoff products. The European Commission also requires the following text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following text on the label/package of hair products: 'Contains thioglycolate'; 'Follow the instructions'; 'Keep out of reach of children'. Additionally, the following text is required on hair products: 'For professionaly use only.'	
SODIUM THIOGLYCOLATE	SODIUM THIOGLYCOLATE	367-51-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15.2% in hair dyes and noncoloring hair products.	
SODIUM TOCOPHERYL PHOSPHATE	SODIUM TOCOPHERYL PHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM TOCOPHERYL PHOSPHATE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
SODIUM TRIDECETH SULFATE	Sodium Trideceth Sulfate	25446-78 -0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH SULFATE	SODIUM TRIDECETH SULFATE	25446-78 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM TRIDECETH-12 CARBOXYLATE	Sodium Trideceth12 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-15 CARBOXYLATE	Sodium Trideceth15 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-19 CARBOXYLATE	Sodium Trideceth19 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-3 CARBOXYLATE	Sodium Trideceth3 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-3 SULFATE	Sodium Trideceth3 Sulfate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM TRIDECETH-4 CARBOXYLATE	Sodium Trideceth4 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-6 CARBOXYLATE	Sodium Trideceth6 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-7 CARBOXYLATE	Sodium Trideceth12 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-7 CARBOXYLATE	Sodium Trideceth15 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-7 CARBOXYLATE	Sodium Trideceth19 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-7 CARBOXYLATE	Sodium Trideceth3 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-7 CARBOXYLATE	Sodium Trideceth4 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-7 CARBOXYLATE	Sodium Trideceth6 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-7 CARBOXYLATE	Sodium Trideceth7 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-7 CARBOXYLATE	Sodium Trideceth8 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECETH-8 CARBOXYLATE	Sodium Trideceth8 Carboxylate	61757-59 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM TRIDECYLBENZENESULFON ATE	SODIUM TRIDECYLBENZENESULFO NATE	26248-24 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SODIUM TRIMETAPHOSPHATE	Sodium trimetaphosphate	7785-84- 4	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: lead.	
SODIUM UNDECETH-5 CARBOXYLATE	Sodium Undeceth5 Carboxylate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM UNDECYLENATE	SODIUM UNDECYLENATE	3398-33-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
SODIUM XYLENE SULFONATE	SODIUM XYLENESULFONATE	1300-72- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
SODIUM ZINC CETYL PHOSPHATE	SODIUM ZINC CETYL PHOSPHATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
SODIUM ZINC HISTIDINE DITHIOOCTANAMIDE	SODIUM ZINC HISTIDINE DITHIOOCTANAMIDE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
SODIUM/ TEA LAUROYL HYDROLYZED COLLAGEN	Lauroyl collagen amino acids	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/ TEA LAUROYL HYDROLYZED COLLAGEN	LAUROYL HYDROLYZED COLLAGEN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/ TEA LAUROYL HYDROLYZED COLLAGEN	SODIUM/ TEA LAUROYL HYDROLYZED COLLAGEN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/MEA LAURETH-2 SULFOSUCCINATE	SODIUM/MEA LAURETH2 SULFOSUCCINATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SODIUM/MEA LAURETH-2 SULFOSUCCINATE	SODIUM/MEA LAURETH2 SULFOSUCCINATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
SODIUM/MEA-PEG-3 COCAMIDE SULFATE	SODIUM/MEAPEG3 COCAMIDE SULFATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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SODIUM/MEA-PEG-3 COCAMIDE SULFATE	SODIUM/MEAPEG3 COCAMIDE SULFATE	0	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
SODIUM/TEA C12-13 PARETH-3 SULFATE	Sodium/TEA C1213 Pareth3 Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-LAUROYL COLLAGEN AMINO ACIDS	Sodium/TEAlauroyl collagen amino acids	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-LAUROYL HYDROLYZED KERATIN	SODIUM/TEALAUROYL HYDROLYZED KERATIN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-LAUROYL KERATIN AMINO ACIDS	sodium/TEAlauroyl keratin amino acids	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-UNDECYLENO YL ALGINATE	SODIUM/TEA-UNDECYLEN OYL ALGINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM/TEA-UNDECYLENO YL ALGINATE	SODIUM/TEAUNDECYLEN OYL ALGINATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-UNDECYLENO YL CARRAGEENAN	SODIUM/TEA-UNDECYLEN OYL CARRAGEENAN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SODIUM/TEA-UNDECYLENO YL CARRAGEENAN	SODIUM/TEAUNDECYLEN OYL CARRAGEENAN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

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SODIUM/TEA-UNDECYLENO YL COLLAGEN AMINO ACIDS	sodium/TEAundecylenoyl collagen amino acids	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-UNDECYLENO YL HYDROLYZED COLLAGEN	SODIUM/TEAUNDECYLEN OYL HYDROLYZED COLLAGEN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-UNDECYLENO YL HYDROLYZED CORN PROTEIN	SODIUM/TEAUNDECYLEN OYL HYDROLYZED CORN PROTEIN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-UNDECYLENO YL HYDROLYZED SOY PROTEIN	SODIUM/TEAUNDECYLEN OYL HYDROLYZED SOY PROTEIN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SODIUM/TEA-UNDECYLENO YL HYDROLYZED WHEAT PROTEIN	SODIUM/TEAUNDECYLEN OYL HYDROLYZED WHEAT PROTEIN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SOLANUM LYCOPERSICUM (TOMATO) FRUIT OIL	SOLANUM LYCOPERSICUM (TOMATO) FRUIT OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
SOLANUM TUBEROSUM (POTATO) STARCH	SOLANUM TUBEROSUM (POTATO) STARCH	9005-25- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SOLUBLE COLLAGEN	SOLUBLE COLLAGEN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SOLUBLE ELASTIN	SOLUBLE ELASTIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SOLUBLE KERATIN	SOLUBLE KERATIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SOLUBLE PROTEOGLYCAN	Soluble Proteoglycan	0	FDA has flagged this ingredient for possible bovine spongiform encephalopathy (BSE) contamination. To use this ingredient, a company must document that the ingredient is not of bovine origin.	
Solvent Green 7 (Uncertified D&C Green No. 8)	D&C Green 8	6358-69- 6	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Solvent Green 7 (Uncertified D&C Green No. 8)	D&C Green No. 8	6358-69- 6	The FDA requires this ingredients be used at less than 0.01%	
Solvent Green 7 (Uncertified D&C Green No. 8)	Solvent Green 7 (Uncertified D&C Green No. 8)	6358-69- 6	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Solvent Red 23 (Uncertified D&C Red No. 17)	D&C Red No. 17	85-86-9	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Solvent Red 23 (Uncertified D&C Red No. 17)	D&C Red No. 17	85-86-9	The EU prohibits this substance in products applied to mucous membranes.	
Solvent Red 23 (Uncertified D&C Red No. 17)	D&C Red No. 17	85-86-9	This substance may not contain detectable levels of paraphenylenediamine (PPD; pphenylenediamine).	
Solvent Red 23 (Uncertified D&C Red No. 17)	Solvent Red 23 (Uncertified D&C Red No. 17)	85-86-9	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Solvent Yellow 33 (Uncertified D&C Yellow No. 11)	D&C Yellow No. 11	8003-22- 3	Based on a European Commission restriction/prohibition in hair dye products and the exemption from FDA batch certification for hair dyes in the US, EWG does not allow this ingredient in hair dyes.	
Solvent Yellow 33 (Uncertified D&C Yellow No. 11)	D&C Yellow No. 11	8003-22- 3	The EU prohibits this substance in products applied to mucous membranes.	
Solvent Yellow 33 (Uncertified D&C Yellow No. 11)	Solvent Yellow 33 (Uncertified D&C Yellow No. 11)	8003-22- 3	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
SORBETH-160 TRISTEARATE	SORBETH-160 TRISTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-2 BEESWAX	SORBETH-2 BEESWAX	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-2 COCOATE	SORBETH-2 COCOATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-2 HEXAOLEATE	SORBETH-2 HEXAOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-20 PENTAISOSTEARATE	SORBETH-20 PENTAISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-20 TETRAISOSTEARATE	SORBETH-20 TETRAISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-230 TETRAOLEATE	sorbeth230 tetreaoleate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SORBETH-3 ISOSTEARATE	SORBETH-3 ISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-3 TRISTEARATE	SORBETH-3 TRISTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-30 PENTAISOSTEARATE	SORBETH-30 PENTAISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-30 TETRAISOSTEARATE	SORBETH-30 TETRAISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-30 TETRAOLEATE	SORBETH-30 TETRAOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-30 TETRAOLEATE LAURATE	SORBETH-30 TETRAOLEATE LAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-4 TETRAOLEATE	SORBETH-4 TETRAOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-40 PENTAISOSTEARATE	SORBETH-40 PENTAISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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SORBETH-40 PENTAOLEATE	SORBETH-40 PENTAOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-40 TETRAISOSTEARATE	SORBETH-40 TETRAISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-40 TETRAOLEATE	SORBETH-40 TETRAOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-50 PENTAISOSTEARATE	SORBETH-50 PENTAISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-50 TETRAISOSTEARATE	SORBETH-50 TETRAISOSTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-6 BEESWAX	PEG6 SORBITAN BEESWAX	8051-15- 8	The Cosmetic Ingredient Review restricts this ingredient's use in products if the ingredient is formulated with PEG6. PEG20 or PEG75.	
SORBETH-6 BEESWAX	SORBETH-6 BEESWAX	8051-15- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-6 HEXASTEARATE	SORBETH-6 HEXASTEARATE	66828-20 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-6 HEXASTEARATE	Sorbeth6 Hexastearate	66828-20 -4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SORBETH-6 LAURATE	SORBETH-6 LAURATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-6 TETRAOLEATE	SORBETH-6 TETRAOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-60 TETRAOLEATE	SORBETH-60 TETRAOLEATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-60 TETRASTEARATE	SORBETH-60 TETRASTEARATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBETH-8 BEESWAX	PEG8 SORBITAN BEESWAX	0	The Cosmetic Ingredient Review restricts this ingredient's use in products if the ingredient is formulated with PEG6, PEG20 or PEG75.	
SORBETH-8 BEESWAX	SORBETH-8 BEESWAX	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SORBIC ACID	SORBIC ACID	110-44-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
SORBIC ACID, ALUMINUM SALT	Aluminum Compounds	16899-72- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SORBIC ACID, POTASSIUM SALT, (E,E)-	POTASSIUM SORBATE	24634-61 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
SORBITAN OLIVATE	SORBITAN OLIVATE	223706-4 0-9	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 7.7%.	
Sorbitan Sesquicaprylate	Sorbitan Sesquicaprylate	91844-53 -0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 8%.	
SORBITAN UNDECYLENATE	SORBITAN UNDECYLENATE	93963-92 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SORBITOL	SORBITOL	50-70-4	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 70%.	
SOY AMINO ACIDS	SOY AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

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SOYAMIDE DEA	SOYAMIDE DEA	68425-47 -8	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
SOYAMIDE DEA	SOYAMIDE DEA	68425-47 -8	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
SOYAMIDOPROPYL BETAINE	SOYAMIDOPROPYL BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
SOYAMIDOPROPYL DIMETHYLAMINE	Soyamidopropyl dimethylamine	68188-30 -7	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
SOYAMINE	SOYAMINE	61790-18 -9	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
SOYBEAN OIL PEG-36 ESTERS	SOYBEAN OIL PEG-36 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SOYBEAN OIL PEG-36 ESTERS	Soybean Oil Peg36 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SOYBEAN OIL, ETHOXYLATED	Soybean oil, ethoxylated	61791-23- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SPARTIUM JUNCEUM FLOWER EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SPHACELARIA SCOPARIA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SPHACELARIA SCOPARIA EXTRACT	SPHACELARIA SCOPARIA EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SPHINGOLIPIDS	Sphingolipids	85116-74 -1	The European Commission does not allow sphingolipids isolated from the brain and central nervous system of animals (known as Cerebrosides) per Annex II, Directive 419.	
SPIRAMYCIN	Spiramycin	8025-81- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SPIRULINA (ALGAE)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury: 10pm, and arsenic: 3 ppm.	
SPIRULINA AMINO ACIDS	SPIRULINA AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SPIRULINA MAXIMA (ALGAE)	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SPIRULINA MAXIMA (ALGAE) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SQUALANE	SQUALANE	111-01-3	This substance can be derived from either plant or animal sources. Only plantderived squalane (i.e., phytosqualane) is acceptable in Verified products.	
SQUALENE OIL	SQUALENE	111-02-4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
STANNOUS FLUORIDE	Fluoride containing substances	7783-47- 3	Health Canada prohibits fluoride containing substances in oral products. EXCEPTION: sodium fluoride, sodium monofluorophosphate, and stannous fluoride may be used in medicinal oral products, as defined by Health Canada, Oral Health Products Monograph.	
STANNOUS FLUORIDE	stannous fluoride	7783-47- 3	The European Commission restricts this ingredient to a maximum concentration of 0.15% (calculated as F). When mixed with other fluorine compounds permitted under Annex III of the Cosmetics Regulation, the total F concentration must not exceed 0.15%. Required Warning: The European Commission requires the following on the product label/package: 'Contains stannous fluoride'; For any toothpaste with compounds containing fluorine in a concentration of 0.1 to 0.15% calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a peasized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	
STANNOUS FLUORIDE	STANNOUSFLUORIDE	7783-47- 3	Health Canada restricts the use of this ingredient to nonoral products.	
STARCH ACETATE	STARCH ACETATE	9045-28- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STARCH DIETHYLAMINOETHYL ETHER	STARCH DIETHYLAMINOETHYL ETHER	9041-94- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STARCH HYDROXYPROPYLTRIMONIU M CHLORIDE	STARCH HYDROXYPROPYLTRIMON IUM CHLORIDE	56780-58 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STARCH TALLOWATE	STARCH TALLOWATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STARCH/ ACRYLATES/ ACRYLAMIDE COPOLYMER	STARCH/ ACRYLATES/ ACRYLAMIDE COPOLYMER	0	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
STEAPYRIUM CHLORIDE	STEAPYRIUM CHLORIDE	14492-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	

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STEARALKONIUM BENTONITE	STEARALKONIUM BENTONITE	130501-8 7-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
STEARALKONIUM DIMETHICONE PEG-8 PHTHALATE	Stearalkonium Dimethicone Peg8 Phthalate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARALKONIUM HECTORITE	CLAYS AND MINERALS	12691-60 -0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
STEARALKONIUM HECTORITE	STEARALKONIUM HECTORITE	12691-60 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
STEARAMIDE DEA	STEARAMIDE DEA	93-82-3	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
STEARAMIDE DEA	STEARAMIDE DEA	93-82-3	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
STEARAMIDE MEA	STEARAMIDE MEA	111-57-9	The Cosmetic Ingredient Review restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
STEARAMIDE MEA	STEARAMIDE MEA	111-57-9	(*) The Cosmetic Ingredient Review does not allow the use of this ingredient in cosmetic products where Nnitroso compounds may be formed.	
STEARAMIDE MIPA	STEARAMIDE MIPA	35627-96 -4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
STEARAMIDOPROPYL BETAINE	stearamidopropyl betaine	6179-44- 8	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
STEARAMIDOPROPYL DIMETHICONE	STEARAMIDOPROPYL DIMETHICONE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STEARAMIDOPROPYL DIMETHYLAMINE	Stearamidopropyl dimethylamine	7651-02- 7	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
STEARAMIDOPROPYL DIMETHYLAMINE	Stearamidopropyl dimethylamine	7651-02- 7	The CIR Panel concluded that Stearamidopropyl dimethylamine is safe in cosmetics when they are formulated to be nonsensitizing and at concentrations < 5%. The Panel also noted that, for stearamidopropyl dimethylamine, products may result in DMAPA concentrations that exceed the limit for this impurity recommended by the Panel. DMAPA should not exceed concentration of 0.01%.	
STEARAMINE	STEARAMINE	124-30-1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

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STEARAMINE OXIDE	STEARAMINE OXIDE	2571-88- 2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products.	
STEARDIMONIUM HYDROXYPROPYL PANTHENYL PEG-7 DIMETHICONE PHOSPHATE	Steardimonium Hydroxypropyl Panthenyl Peg7 Dimethicone Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARDIMONIUM HYDROXYPROPYL PANTHENYL PEG-7 DIMETHICONE PHOSPHATE CHLORIDE	STEARDIMONIUM HYDROXYPROPYL PANTHENYL PEG-7 DIMETHICONE PHOSPHATE CHLORIDE	220714-7 7-2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
STEARDIMONIUM HYDROXYPROPYL PANTHENYL PEG-7 DIMETHICONE PHOSPHATE CHLORIDE	Steardimonium Hydroxypropyl Panthenyl Peg7 Dimethicone Phosphate Chloride	220714-7 7-2	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARDIMONIUM HYDROXYPROPYL PEG-7 DIMETHICONE PHOSPHATE CHLORIDE	Steardimonium Hydroxypropyl Peg7 Dimethicone Phosphate Chloride	220714-6 3-6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARETH-10	STEARETH10	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARETH-10 ALLYL ETHER/ACRYLATES COPOLYMER	STEARETH-10 ALLYL ETHER/ACRYLATES COPOLYMER	109292-1 7-3	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
STEARETH-100	STEARETH100	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARETH-100/PEG-136/HDI COPOLYMER	STEARETH-100/PEG-136/H DI COPOLYMER	103777-6 9-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STEARETH-100/PEG-136/HDI COPOLYMER	Steareth100/peg136/hdi Copolymer	103777-6 9-1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARETH-12	STEARETH-12	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
STEARETH-16	STEARETH16	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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STEARETH-2	STEARETH2	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARETH-20	STEARETH20	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARETH-21	STEARETH21	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARETH-4	STEARETH4	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARETH-80	STEARETH-80	9005-00- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
STEARETHS-(2-100)	Steareths(2100)	9005-00- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEAROXYDIMETHICONE	STEAROXYDIMETHICONE	68554-53 -0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
STEAROXYMETHICONE/ DIMETHICONE COPOLYMER	STEAROXYMETHICONE/ DIMETHICONE COPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
STEAROXYMETHICONE/ DIMETHICONE COPOLYMER	STEAROXYMETHICONE/ DIMETHICONE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STEAROXYTRIMETHYLSILAN E	Stearoxytrimethylsilane	18748-91 -9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.55%	
STEAROYL INULIN	STEAROYL INULIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STEAROYL SARCOSINE	STEAROYL SARCOSINE	142-48-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products. Additionally, it cannot be used in products where Nnitroso compounds may be formed.	
STEARYL ACETATE	STEARYL ACETATE	822-23-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
STEARYL ALCOHOL	STEARYL ALCOHOL	112-92-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
STEARYL BENZOATE	Benzoate	10578-34 -4	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
STEARYL BENZOATE	STEARYL BENZOATE	10578-34 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
STEARYL BETAINE	STEARYL BETAINE	820-66-6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
STEARYL CAPRYLATE	STEARYL CAPRYLATE	18312-31- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
STEARYL CITRATE	STEARYL CITRATE	1323-66-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 12%.	
STEARYL DIMETHICONE	STEARYL DIMETHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
STEARYL DIMETHICONE	STEARYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
STEARYL GLYCYRRHETINATE	STEARYL GLYCYRRHETINATE	13832-70 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%. Additionally, CIR has identified the following potential contaminants/impurities in this ingredient: pesticides/PCB, toxic metals, and heavy metals.	
STEARYL HDI/PEG-50 COPOLYMER	STEARYL HDI/PEG-50 COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STEARYL HDI/PEG-50 COPOLYMER	Stearyl Hdi/peg50 Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
STEARYL HEPTANOATE	STEARYL HEPTANOATE	66009-41 -4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
STEARYL METHICONE	STEARYL METHICONE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	
STEARYL METHICONE	STEARYL METHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
STEARYL PALMITATE	STEARYL PALMITATE	2598-99- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
STEARYL PHOSPHATE	STEARYL PHOSPHATE	39471-52 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
STEARYL STEARATE	STEARYL STEARATE	2778-96- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
STEARYL TRIETHOXYSILANE	STEARYL TRIETHOXYSILANE	7399-00- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 2.6%	
STEARYL/LAURYL METHACRYLATE CROSS POLYMER	STEARYL/LAURYL METHACRYLATE CROSS POLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
STEARYL/LAURYL METHACRYLATE CROSS POLYMER	STEARYL/LAURYL METHACRYLATE CROSS POLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
STRONTIUM	Strontium	7440-24- 6	Health Canada restricts this ingredient to a maximum concentration of 3.5% strontium in depilatory products and 6.6% (as salt, or equal to or less than 2.1% elemental strontium) in all other products. Additionally, Health Canada prohibits its use in aerosol products.	
STRONTIUM ACETATE	STRONTIUM ACETATE	543-94-2	The European Commission restricts this ingredient to a maximum concentration of 3.5% (as strontium). When mixed with other permitted strontium products, the total strontium concent cannot exceed 3.5%. Required Warning: The European Commission requires the following warning text on the product label/package: 'Contains strontium acetate'; 'Frequent use by children is not advisable'	
STRONTIUM CHLORIDE	STRONTIUM CHLORIDE	10476-85 -4	The European Commission restricts this ingredient to a maximum concentration of 3.5% as strontium (when mixed with other permitted strontium products, the total strontium content must not exceed 3.5%) in oral products, and 2.1% as strontium (when mixed with other permitted strontium products, the total strontium content must not exceed 2.1%) in shampoo and face products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Contains strontium chloride'; 'Frequent use by children is not advisable'.	
STRONTIUM CHLORIDE HEXAHYDRATE	STRONTIUM CHLORIDE	10025-70 -4	The European Commission restricts this ingredient to a maximum concentration of 3.5% as strontium (when mixed with other permitted strontium products, the total strontium content must not exceed 3.5%) in oral products, and 2.1% as strontium (when mixed with other permitted strontium products, the total strontium content must not exceed 2.1%) in shampoo and face products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Contains strontium chloride'; 'Frequent use by children is not advisable'.	
STRONTIUM CHLORIDE HEXAHYDRATE	Strontium chloride hexahydrate	10025-70 -4	The European Commission restricts this ingredient to a maximum concentration of 3.5% as strontium (when mixed with other permitted strontium products, the total strontium content must not exceed 3.5%) in oral products, and 2.1% as strontium (when mixed with other permitted strontium products, the total strontium content must not exceed 2.1%) in shampoo and face products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Contains strontium chloride'; 'Frequent use by children is not advisable'.	
STRONTIUM HYDROXIDE	Strontium hydroxide	1311-10-0	The European Commission restricts this ingredient to a maximum concentration of 3.5% (as strontium) with a pH no higher than 12.7 as a pH adjuster in depilatories. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with the eyes'	
STRONTIUM HYDROXIDE	Strontium hydroxide	1311-10-0	The European Commission restricts this ingredient to a maximum concentration of 3.5% (as strontium) with a pH no higher than 12.7 as a pH adjuster in depilatories. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with the eyes'	
STRONTIUM HYDROXIDE	Strontium hydroxide	18480-07 -4	The European Commission restricts this ingredient to a maximum concentration of 3.5% (as strontium) with a pH no higher than 12.7 as a pH adjuster in depilatories. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with the eyes'	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
STRONTIUM PEROXIDE	Strontium peroxide	1314-18-7	The European Commission restricts this ingredient to a maximum concentration of 4.5% (as strontium) in rinseoff hair products. Additionally, all products must meet the hydrogen peroxide release requirements. Required Warning: The European Commission requires the following on the product label/package: 'Avoid contact with eyes'; 'Rinse eyes immediately if product comes into contact with them'; 'For professional use only Wear suitable aloyes'	
STRONTIUM PEROXIDE	Strontium peroxide	1314-18-7	The European Commission restricts this ingredient to a maximum concentration of 12% of H2O2 (40 volumes, present or released) in hair products, 4% of H2O2 (present or released) in skin products, 2% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products. Additionally, the products with this ingredient can only be sold to dental practitioners, and for each cycle of use, the first use must be done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards, the product may be provided to the consumer to complete the cycle of use. The product cannot to be used on a person under 18 years of age. For products intended for eyelashes, the concentration cannot exceed 2% of H2O2, present or released, and is permitted for professional use only. For rinseoff hair products, the concentration cannot exceed 4.5% (as strontium), and is permitted for professional use only. Required Warning: The European Commission requires the following on the label/package of hair products: 'Wear suitable gloves'; 'Contains hydrogen peroxide'; 'Avoid contact with eyes'; 'Rinse immediately if product comes into contact with them'. For skin and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with eyes'; 'Rinse immediately if product comes into contact with them'. For ach cycle of use, the first use to be only done by dental practitioners or under theirs is ensured. Afterwards to be provided to the consumer to complete the cycle of use'. Additionally, he following must be labled on products intended for eyelashes: 'Wear suitable gloves'; 'For professional use only'; 'Avoid contact with them'; 'Concentration of H 20 2 present or released indicated in percentage; 'Not to be used on a person unde	
STRONTIUM SULFIDE	strontium sulfide	1314-96-1	The European Commission restricts this ingredient to a maximum concentration of 2% (as sulphur in an alkali sulfide) or 6% (as sulphur in alkaline earth sulfide) in depilatories. Additionally, the product's pH must be less than or equal to 12.7. Required Warning: The European Commission requires the following warning text on the product label/package: 'Keep out of reach of children'; 'Avoid contact with eyes'	
STRONTIUM SULFIDE	STRONTIUMSULFIDE	1314-96-1	Health Canada restricts this ingredient to a maximum concentration of 6% (sulfur) in depilatory products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
STRONTIUM THIOGLYCOLATE	STRONTIUM THIOGLYCOLATE	38337-95 -0	The European Commission restricts this ingredient to a maximum concentration of 8% (as thioglycolic acid) with a pH of 7 to 9.5 in general use hair products, 11% (as thioglycolic acid) with a pH of 7 to 9.5 in professional use hair products, 5% (as thioglycolic acid) with a pH of 7 to 9.5 in hair rinseoff products. Required Warning: The European Commission requires the following conditions of use on the label/package of hair products, depilatories and hair rinseoff products: 'Avoid contact with eyes'; 'In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice'. Additionally, the following conditions of use are requires the following text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following text on the label/package of hair products: 'Keep out of reach of children'. Additionally, the following warning text is required on hair products. 'For professionaly use only.'	
Styrax benzoin, ext.	Cinnamyl Alcohol, contact allergen for eczema products	84929-79 -3	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
STYRAX TONKINENSE RESIN OIL	Cinnamyl Alcohol, contact allergen for eczema products	9000-72- 0	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
STYRAX TONKINENSIS RESIN EXTRACT	Cinnamyl Alcohol, contact allergen for eczema products	84696-18 -4	This ingredient contains Cinnamyl Alcohol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
STYRENE/ BUTADIENE COPOLYMER	STYRENE/ BUTADIENE COPOLYMER	9003-55- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STYRENE/ PVP COPOLYMER	STYRENE/ PVP COPOLYMER	25086-29 -7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
Styrene/Acrylamide Copolymer	STYRENE/ ACRYLAMIDE COPOLYMER	24981-13- 3	The European Commission restricts this ingredient's residual acrylamide content to a maximum of 0.1 mg/kg for body leaveon products and 0.5 mg/kg for all other products.	
Styrene/Acrylates/Ammoniu m Methacrylate Copolymer	Styrene/Acrylates/Ammoni um Methacrylate Copolymer	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
STYRENE/ACRYLATES/DIME THICONE ACRYLATE CROSSPOLYMER	STYRENE/ACRYLATES/DIM ETHICONE ACRYLATE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STYRENE/ACRYLATES/ETHY LHEXYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	STYRENE/ACRYLATES/ETH YLHEXYL ACRYLATE/LAURYL ACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STYRENE/ISOPRENE COPOLYMER	STYRENE/ISOPRENE COPOLYMER	25038-32 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STYRENE/METHYLSTYRENE COPOLYMER	STYRENE/METHYLSTYREN E COPOLYMER	9011-11-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STYRENE/STEARYL METHACRYLATE CROSSPOLYMER	STYRENE/STEARYL METHACRYLATE CROSSPOLYMER	91838-84 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
STYRENE/VA COPOLYMER	STYRENE/VA COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
substrate	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
SUCCINIC ACID	SUCCINIC ACID	110-15-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2% in leaveon products (up to 26% in rinseoff products).	
SUCROSE	SUCROSE	57-50-1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 65%.	
SUCROSE BENZOATE	Benzoate	12738-64 -6	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
SULFATED PEANUT OIL	Peanut oil, extracts and derivatives	73138-79- 1	Europe restricts this chemical: Maximum concentration of peanut proteins: 0.5 ppm	
Sulfur Containing Mineral Acid	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
SULFUR-CONTAINED ALUMINUM SILICATE	Aluminum Compounds	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SULFUR-CONTAINED ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SULFUR-CONTAINED ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
SULFURIC ACID, ALUMINIUM SALT (3:2), HEXADECAHYDRATE	Aluminum Compounds	16828-11- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SULFURIC ACID, ALUMINUM SALT (3:2), OCTADECAHYDRATE	Aluminum Compounds	7784-31- 8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
SULFURIZED TEA-RICINOLEATE	SULFURIZED TEARICINOLEATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
SUNFLOWER SEED OIL PEG-32 ESTERS	SUNFLOWER SEED OIL PEG-32 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SUNFLOWER SEED OIL PEG-32 ESTERS	Sunflower Seed Oil Peg32 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SUNFLOWER SEED OIL PEG-8 ESTERS	SUNFLOWER SEED OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SUNFLOWER SEED OIL PEG-8 ESTERS	Sunflower Seed Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SUNFLOWERSEEDAMIDOPR OPYL DIMETHYLAMINE	Sunflowerseedamidopropyl dimethylamine	0	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
Sunset Yellow (Uncertified FD&C Yellow No. 6)	FD&C YELLOW NO. 6	2783-94- 0	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine.	
Sunset Yellow (Uncertified FD&C Yellow No. 6)	Sunset Yellow (Uncertified FD&C Yellow No. 6)	2783-94- 0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
Sunset Yellow (Uncertified FD&C Yellow No. 6)	Sunset Yellow (Uncertified FD&C Yellow No. 6)	2783-94- 0	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/EC (E 110)	
Sunset Yellow (Uncertified FD&C Yellow No. 6) Lake	FD&C YELLOW NO. 6	2783-94- 0	This substance must contain <2ppm lead, <1ppm cadmium, <1 ppb combined (free+bound) benzidine.	
Sunset Yellow (Uncertified FD&C Yellow No. 6) Lake	Sunset Yellow (Uncertified FD&C Yellow No. 6) Lake	2783-94- 0	This substance is not allowed for use in products used in the eye area, as defined by the U.S. FDA.	
SWEET ALMOND AMINO ACIDS	SWEET ALMOND AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
SWEET ALMOND OIL PEG-8 ESTERS	SWEET ALMOND OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
SWEET ALMOND OIL PEG-8 ESTERS	Sweet Almond Oil Peg8 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SYMPHYTUM OFFICINALE (COMFREY)	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	0	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYMPHYTUM OFFICINALE (COMFREY) EXTRACT	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYMPHYTUM OFFICINALE (COMFREY) INFUSION	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYMPHYTUM OFFICINALE (COMFREY) LEAF	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYMPHYTUM OFFICINALE (COMFREY) LEAF EXTRACT	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYMPHYTUM OFFICINALE (COMFREY) ROOT	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYMPHYTUM OFFICINALE (COMFREY) ROOT CELL EXTRACT	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SYMPHYTUM OFFICINALE (COMFREY) ROOT EXTRACT	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYMPHYTUM OFFICINALE (COMFREY) ROOT INFUSION	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYMPHYTUM OFFICINALE (COMFREY) TEA	Pyrrolizidine alkaloids; botanicals containing pyrrolizidine alkaloids.	84696-05 -9	Products should not contain detectable levels of pyrrolizidine alkaloids because the EMA recommends that exposure to toxic PAs should be kept as low as practically achievable due to toxicity and putative carcinogenicity.	
SYNECHOCOCCUS ELONGATUS/ALGAE FERMENT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
SYNTANOL DS 6	Syntanol Ds 6	85422-93 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
SYNTHETIC BEESWAX	SYNTHETIC BEESWAX	71243-51- 1	Synthetic beeswax may include hydrocarbons sourced from petroleum. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, petroleum-derived ingredients must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 3% and PAH levels below 10 ppb.	
SYNTHETIC	SYNTHETIC	137228-7 4-1	The Cosmetic Ingredient Review found this substance	
SYNTHETIC JOJOBA OIL	SYNTHETIC JOJOBA OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
SYNTHETIC WAX	SYNTHETIC WAX	8002-74- 2	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material, with DMSO extractives below 3% and PAH levels must be below 10 ppb. Mineral waxes must have an average molecular weight of at least 500 Daltons and a viscosity value greater than or equal to 11 centistokes at 100oC or greater than or equal to 8 centistokes at 120oC. Additionally, no more than 5% of hydrocarbons with a chain length less than C25 may be present.	
SYZYGIUM AROMATICA (CLOVE BUD) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	X
SYZYGIUM AROMATICUM (CLOVE)	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
SYZYGIUM AROMATICUM (CLOVE)	Eugenol	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.2% in deodorants/antiperspirants, 0.5% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.5% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.4% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
SYZYGIUM AROMATICUM (CLOVE)	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SYZYGIUM AROMATICUM (CLOVE) FLOWER OIL	Eugenol	0	Required Warning: The European Commission requires that the presence of this substance be indicated in the list of ingredients when its concentration exceeds 0.001% in leaveon products and 0.01% in rinseoff products.	
SYZYGIUM AROMATICUM (CLOVE) FLOWER OIL	Eugenol	0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.2% in lip products, 0.2% in deodorants/antiperspirants, 0.5% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.5% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 4.3% in mouthwashes, breath sprays, and toothpastes, 0.4% in intimate wipes, and baby wipes, 0.5% in makeup removers, nonspray hair styling aids, nail products, powders, and hair dyes, and 0.5% in bath products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
SYZYGIUM AROMATICUM (CLOVE) FLOWER OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SYZYGIUM CARYOPHYLLATA (CLOVE BUD) OIL	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SYZYGIUM CARYOPHYLLATA (CLOVE BUD) POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
SYZYGIUM JAMBOS LEAF EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

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SYZYGIUM LEUHMANII FRUIT EXTRACT	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
SYZYGIUM POLYANTHUM LEAF POWDER	Eugenol, contact allergen for eczema products	0	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
t-BUTYL ACETATE	TBUTYL ACETATE	540-88-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
T-BUTYL ALCOHOL	T-BUTYL ALCOHOL	75-65-0	TBA is limited to a final product maximum concentration of 0.08% when used as an alcohol denaturant per 27 CFR part 21.	
TAGETES MINUTA (MUSTER JOHN HENRY) OIL	Tagetes minuta flower extract; Tagetes minuta flower oil	91770-75 -1	The European Union restricts this ingredient to 0.01% in leave-on products and 0.01% in rinse-off products. Additionally, the Alpha terthienyl (terthiophen) content in the extract/oil ≤ 0,35 %. In case of combined use with Tagetes patula the total combined content of Tagetes in ready for use preparation shall not exceed the maximum concentration of 0.01% in leave-on products and 0.01% in rinse-off products. This substance is prohibited in sunscreen products.	
TAGETES MINUTA (MUSTER JOHN HENRY) OIL	TAGETESOIL	91770-75 -1	Health Canada restricts this ingredient to a maximum concentration of 0.01% in leaveon products.	
TAGETES MINUTA FLOWER EXTRACT	Linalool, contact allergen for eczema products	91770-75 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TAGETES MINUTA FLOWER EXTRACT	Tagetes minuta flower extract; Tagetes minuta flower oil	91770-75 -1	The European Union restricts this ingredient to 0.01% in leave-on products and 0.01% in rinse-off products. Additionally, the Alpha terthienyl (terthiophen) content in the extract/oil ≤ 0,35 %. In case of combined use with Tagetes patula the total combined content of Tagetes in ready for use preparation shall not exceed the maximum concentration of 0.01% in leave-on products and 0.01% in rinse-off products. This substance is prohibited in sunscreen products.	
TAGETES MINUTA FLOWER EXTRACT	TAGETESOIL	91770-75 -1	Health Canada restricts this ingredient to a maximum concentration of 0.01% in leaveon products.	
TAGETES MINUTA FLOWER OIL	Tagetes minuta flower extract; Tagetes minuta flower oil	91770-75 -1	The European Union restricts this ingredient to 0.01% in leave-on products and 0.01% in rinse-off products. Additionally, the Alpha terthienyl (terthiophen) content in the extract/oil ≤ 0,35 %. In case of combined use with Tagetes patula the total combined content of Tagetes in ready for use preparation shall not exceed the maximum concentration of 0.01% in leave-on products and 0.01% in rinse-off products. This substance is prohibited in sunscreen products.	
TAGETES MINUTA FLOWER OIL	TAGETESOIL	91770-75 -1	Health Canada restricts this ingredient to a maximum concentration of 0.01% in leaveon products.	
TAGETES PATULA FLOWER EXTRACT	tagetes oil and absolute	91722-29- 1	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.01% in leaveon products	
TAGETES PATULA FLOWER EXTRACT	Tagetes patula flower extract; Tagetes patula flower oil	91722-29- 1	The European Union restricts this ingredient to 0.01% in leave-on products and 0.01% in rinse-off products. Additionally, the Alpha terthienyl (terthiophen) content in the extract/oil ≤ 0,35 %. In case of combined use with Tagetes minuta the total combined content of Tagetes in ready for use preparation shall not exceed the maximum concentration of 0.01% in leave-on products and 0.01% in rinse-off products. This substance is prohibited in sunscreen products.	
TAGETES PATULA FLOWER EXTRACT	TAGETESOIL	91722-29- 1	Health Canada restricts this ingredient to a maximum concentration of 0.01% in leaveon products.	

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TAGETES PATULA FLOWER OIL	Linalool, contact allergen for eczema products	91722-29- 1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TAGETES PATULA FLOWER OIL	Tagetes patula flower extract; Tagetes patula flower oil	91722-29- 1	The European Union restricts this ingredient to 0.01% in leave-on products and 0.01% in rinse-off products. Additionally, the Alpha terthienyl (terthiophen) content in the extract/oil ≤ 0,35 %. In case of combined use with Tagetes minuta the total combined content of Tagetes in ready for use preparation shall not exceed the maximum concentration of 0.01% in leave-on products and 0.01% in rinse-off products. This substance is prohibited in sunscreen products.	
TAGETES PATULA FLOWER OIL	TAGETESOIL	91722-29- 1	Health Canada restricts this ingredient to a maximum concentration of 0.01% in leaveon products.	
TALL OIL	Tall oil	8002-26- 4	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
TALL OIL	Tall Oil, Crude	8002-26- 4	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TALL OIL ACID	Tall Oil Acid	61790-12- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 8%.	
TALLAMIDE DEA TALLAMIDE DEA	TALLAMIDE DEA TALLAMIDE DEA	68155-20 -4	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
TALLAMIDOPROPYL DIMETHYLAMINE	Tallamidopropyl dimethylamine	68650-79 -3	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
TALLOW AMINE	TALLOW AMINE	61790-33 -8	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
TALLOW BETAINE	TALLOW BETAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TALLOW GLYCERIDE	TALLOW GLYCERIDE	61789-13- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
TALLOW GLYCERIDE	TALLOW GLYCERIDES	61789-13- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
TALLOW GLYCERIDES	TALLOW GLYCERIDES	91723-30- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
TALLOWAMIDE DEA	TALLOWAMIDE DEA	68140-08 -9	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TALLOWAMIDE DEA	TALLOWAMIDE DEA	68140-08 -9	The Cosmetic Ingredient Review restricts the DEA concentration of this ingredient to those considered safe in the CIR safety assessment of DEA and its salts. Additionally, CIR restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form.	
TALLOWAMIDOPROPYL DIMETHYLAMINE	Tallowamidopropyl dimethylamine	68425-50 -3	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
TALLOWAMIDOPROPYL HYDROXYSULTAINE	TALLOWAMIDOPROPYL HYDROXYSULTAINE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TALLOWETH-18	TALLOWETH18	61791-28- 4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TAMARINDUS INDICA (TAMARIND) SEED POLYSACCHARIDE	TAMARINDUS INDICA (TAMARIND) SEED POLYSACCHARIDE	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.3%.	
TAMARINDUS INDICA SEED GUM	TAMARINDUS INDICA SEED GUM	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TANAKURA CLAY	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
Tangerine oil terpenes	Citrus oils and other furocoumarins containing essential oils (Bergapten)	68608-38 -8	The International Fragrance Association restricts the total bergapten (5methoxypsoralen) concentration of this ingredient (in combination with other citrus oils) to a maximum concentration of 15 ppm in the final product for leaveon products.	
TAPIOCA STARCH	TAPIOCA STARCH	9005-25- 8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 33%.	
TEA CARBOMER	TEA CARBOMER	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA COCOATE	TEA COCOATE	61790-64 -5	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA COCOYL GLUTAMATE	TEA COCOYL GLUTAMATE	68187-29 -1 68187-29	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers. The Cosmetic Ingredient Review has determined that	
		-1	this ingredient is safe as used up to 11%	

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TEA COCOYL HYDROLYZED COLLAGEN	TEA COCOYL HYDROLYZED COLLAGEN	68952-16 -9	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA DODECYLBENZENESULFONA TE	TEA DODECYLBENZENESULFO NATE	27323-41 -7	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA DODECYLBENZENESULFONA TE	TEADODECYLBENZENESUL FONATE	27323-41 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
TEA ISOSTEARATE	TEA ISOSTEARATE	88120-12 -1	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA ISOSTEARATE	TEAIsostearate	88120-12 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself.	
TEA LAUROYL GLUTAMATE	TEA LAUROYL GLUTAMATE	53576-49 -1	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA LAUROYL HYDROLYZED COLLAGEN	TEA LAUROYL HYDROLYZED COLLAGEN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA MYRISTATE	TEA MYRISTATE	41669-40 -3	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA MYRISTATE	TEA MYRISTATE	41669-40 -3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TEA OLEATE	TEA OLEATE	2717-15-9	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA PALM KERNEL SARCOSINATE	TEA PALM KERNEL SARCOSINATE	73049-98 -6	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA PALMITATE	TEA PALMITATE	49719-60 -0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA PALMITATE	TEAPalmitate	49719-60 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself.	
TEA PEG 3 COCAMIDE SULFATE	TEA PEG 3 COCAMIDE SULFATE	73246-94 -3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TEA PEG 3 COCAMIDE SULFATE	TEA PEG 3 COCAMIDE SULFATE	73246-94 -3	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA PEG 3 COCAMIDE SULFATE	TEAPEG3 Cocamide Sulfate	73246-94 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. Additionally, this ingredient may not be used in products in which Nnitroso compounds may form (do not contain nitrosating agents).	
TEA STEARATE	TEA STEARATE	4568-28- 9	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TEA-ABIETOYL HYDROLYZED COLLAGEN	TEAABIETOYL HYDROLYZED COLLAGEN	68918-77 -4	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-ACRYLATES/ACRYLONIT ROGENS COPOLYMER	TEAACRYLATES/ACRYLONI TROGENS COPOLYMER	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-ACRYLATES/ETHYLHEX YL ACRYLATE COPOLYMER	TEAACRYLATES/ETHYLHEX YL ACRYLATE COPOLYMER	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-ALGINATE	TEA-ALGINATE	0	The Cosmetic Ingredient Review found this substance	
TEA-ALGINATE	TEAALGINATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-C10-15 ALKYL SULFATE	TEAC1015 Alkyl Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-C11-15 ALKYL SULFATE	TEAC1115 Alkyl Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-C11-15 PARETH SULFATE	TEAC1115 Pareth Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

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TEA-C12-13 ALKYL PHOSPHATE	TEAC1213 ALKYL PHOSPHATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-C12-13 ALKYL SULFATE	TEAC1213 Alkyl Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-C12-13 PARETH-3 SULFATE	TEAC1213 Pareth3 Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-C12-14 ALKYL PHOSPHATE	TEAC1214 ALKYL PHOSPHATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-C12-14 ALKYL SULFATE	TEAC1214 Alkyl Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-C12-15 ALKYL SULFATE	TEAC1215 Alkyl Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-CANOLATE	TEACanolate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TEA-COCAMIDE DIACETATE	TEACOCAMIDE DIACETATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-COCO-SULFATE	TEACocoSulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-COCOYL ALANINATE	TEACOCOYL ALANINATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-COCOYL ALANINATE	TEACOCOYL ALANINATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.8%	
TEA-COCOYL GLUTAMINATE	TEAcocoyl glutaminate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-COCOYL GLYCINATE	TEACOCOYL GLYCINATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-COCOYL HYDROLYZED SOY PROTEIN	TEACOCOYL HYDROLYZED SOY PROTEIN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-COCOYL SARCOSINATE	TEACOCOYL SARCOSINATE	68411-96 -1	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-DEXTRIN OCTENYLSUCCINATE	TEA-DEXTRIN OCTENYLSUCCINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TEA-DEXTRIN OCTENYLSUCCINATE	TEADEXTRIN OCTENYLSUCCINATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-DIETHANOLAMINOETH YL POLYISOBUTENYLSUCCINAT E	TEADIETHANOLAMINOETH YL POLYISOBUTENYLSUCCIN ATE	67762-80 -5	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-DIMETHICONE PEG-7 PHOSPHATE	TEADIMETHICONE PEG7 PHOSPHATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TEA-DIMETHICONE PEG-7 PHOSPHATE	TEADIMETHICONE PEG7 PHOSPHATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-EDTA	TEAEDTA	60544-70 -9	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-GLYCERYL DIMALEATE	TEAGlyceryl Dimaleate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-HYDROCHLORIDE	TEAHydrochloride	637-39-8	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-HYDROGENATED COCOATE	TEAHydrogenated Cocoate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

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TEA-HYDROGENATED TALLOWOYL GLUTAMATE	TEAhydrogenated tallowoyl glutamate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-HYDROIODIDE	TEAHYDROIODIDE	7601-53- 8	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-ISOSTEAROYL HYDROLYZED COLLAGEN	TEAISOSTEAROYL HYDROLYZED COLLAGEN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LACTATE	TEALACTATE	20475-12 -1	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LACTATE	TEALACTATE	20475-12 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10% and a minimum pH of 3.5 when used as an AHA. For salon products, the maximum concentration is 30% with a minimum pH of 3.0.	
TEA-LANETH-5 SULFATE	TEALANETH5 SULFATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAURAMINOPROPIONA TE	TEALAURAMINOPROPION ATE	14171-00 -7	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAURATE	TEALaurate	2224-49- 9	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TEA-LAURATE	TEALaurate	2224-49- 9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself.	
TEA-LAURATE/MYRISTATE	TEALaurate/Myristate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAURETH SULFATE	TEALaureth Sulfate	27028-82 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TEA-LAURETH SULFATE	TEALaureth Sulfate	27028-82 -6	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAURETH SULFATE	TEALaureth Sulfate	27028-82 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself.	
TEA-LAURETH-4 PHOSPHATE	TEALAURETH4 PHOSPHATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TEA-LAURETH-4 PHOSPHATE	TEALAURETH4 PHOSPHATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAUROYL COLLAGEN AMINO ACIDS	TEAlauroyl collagen amino acids	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAUROYL COLLAGEN AMINO ACIDS	TEAlauroyl collagen amino acids	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.4%	
TEA-LAUROYL KERATIN AMINO ACIDS	TEA-LAUROYL KERATIN AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TEA-LAUROYL KERATIN AMINO ACIDS	TEALAUROYL KERATIN AMINO ACIDS	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

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TEA-LAUROYL LACTYLATE	TEALAUROYL LACTYLATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAUROYL METHYLAMINOPROPIONATE	TEALAUROYL METHYLAMINOPROPIONA TE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAUROYL SARCOSINATE	TEALAUROYL SARCOSINATE	16693-53- 1	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAUROYL/MYRISTOYL ASPARTATE	TEA-LAUROYL/MYRISTOYL ASPARTATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TEA-LAUROYL/MYRISTOYL ASPARTATE	TEALAUROYL/MYRISTOYL ASPARTATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-LAURYL PHOSPHATE	TEALAURYL PHOSPHATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-MYRISTAMINOPROPIO NATE	TEAMYRISTAMINOPROPIO NATE	61791-98- 8	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-MYRISTOYL HYDROLYZED COLLAGEN	TEAMYRISTOYL HYDROLYZED COLLAGEN	69430-23 -5	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

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TEA-OLEOYL HYDROLYZED COLLAGEN	TEAOLEOYL HYDROLYZED COLLAGEN	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-OLEOYL SARCOSINATE	TEAOLEOYL SARCOSINATE	17736-08 -2	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-OLEYL SULFATE	TEAOleyl Sulfate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-PCA	TEAPCA	55901-20 -7	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	TEAPEG50 HYDROGENATED CASTOR OIL SUCCINATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TEA-PEG-50 HYDROGENATED CASTOR OIL SUCCINATE	TEAPEG50 HYDROGENATED CASTOR OIL SUCCINATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-PHENYLBENZIMIDAZOL E SULFONATE	TEAPHENYLBENZIMIDAZO LE SULFONATE	10020-01 -6	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-ROSINATE	TEAROSINATE	68002-57 -3	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TEA-SALICYLATE	Salicylic acid and its salts	2174-16- 5	Europe restricts this chemical: Maximum concentration in ready for use preparation: 0.5%; Not to be used in products for children under 3 years of age, except for shampoos. Required Warning: Required warning: Not to be used for children under 3 years of age***. ***Solely for products which might be used for children under 3 years of age and which remain in prolonged contact with the skin.	
TEA-SALICYLATE	TEA SALICYLATE	2174-16- 5	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-SALICYLATE	TEA-SALICYLATE	2174-16- 5	Per COSING, the maximum concentration in RTU preparation is 0.5%. This ingredient is not to be used in products for children under 3 years of age (except for shampoos), in oral products, or in applications that may lead to exposure of the end-user's lungs by inhalation.	
TEA-SALICYLATE	TEASALICYLATE	2174-16- 5	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
TEA-SORBATE	TEA Sorbate	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself.	
TEA-SORBATE	TEA-SORBATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TEA-SORBATE	TEASORBATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-SULFATE	TEA Sulfate	7376-31-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself.	
TEA-SULFATE	TEA-SULFATE	7376-31-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TEA-SULFATE	TEASULFATE	7376-31-0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-TALLATE	TEATallate	8043-27- 4	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TEA-TALLATE	TEATallate	8043-27- 4	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when the levels of free diethanolamine do not exceed the present practices of use and concentration of diethanolamine itself. Additionally, this ingredient may not be used in products in which Nnitroso compounds may form (do not contain nitrosating agents).	
TEA-TRIDECYLBENZENESUL FONATE	TEATRIDECYLBENZENESU LFONATE	59599-58 -5	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-UNDECYLENATE	TEAUndecylenate	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TEA-UNDECYLENOYL HYDROLYZED COLLAGEN	TEAUNDECYLENOYL HYDROLYZED COLLAGEN	68951-91- 7	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TERGITOL MIN-FOAM 1X	Tergitol MinFoam 1x	103331-8 6-8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TERPENE ALCOHOLS ACETATES	TERPENE ALCOHOLS ACETATES	69103-01 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
TERPENE HYDROCARBONS	TERPENE HYDROCARBONS	68956-56 -9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
TERPENES AND TERPENOIDS	TERPENES AND TERPENOIDS	65996-98 -7	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
TERPENES AND TERPENOIDS SINPINE	TERPENES AND TERPENOIDS SINPINE	68917-63 -5	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L	
Terpenes and terpenoids, clove-oil, acetylated	Eugenol, contact allergen for eczema products	68425-19 -4	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Terpenes and terpenoids, clove-oil, reaction products with formaldehyde	Eugenol, contact allergen for eczema products	68188-04 -5	This ingredient contains Eugenol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	x
Terpenes and terpenoids, geranium-oil	Geraniol, contact allergen for eczema products	68917-31- 7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Terpenes and terpenoids, geranium-oil	Linalool, contact allergen for eczema products	68917-31- 7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Terpenes and terpenoids, litsea cubela-oil, hydrogenated	Citral, contact allergen for eczema products	68608-36 -6	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Terpenes and terpenoids, litsea cubela-oil, hydrogenated	Geraniol, contact allergen for eczema products	68608-36 -6	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Terpenes and terpenoids, litsea cubela-oil, hydrogenated	Linalool, contact allergen for eczema products	68608-36 -6	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Terpenes and terpenoids, mint, mentha arvensis piperascens-oil	Linalool, contact allergen for eczema products	68608-35 -5	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Terpenes and terpenoids, mixed sour and sweet orange oil	Citral, contact allergen for eczema products	68917-57 -7	This ingredient contains Citral, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Terpenes and terpenoids, mixed sour and sweet orange oil	Farnesol, contact allergen for eczema products	68917-57 -7	This ingredient contains Farnesol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Terpenes and terpenoids, mixed sour and sweet orange oil	Geraniol, contact allergen for eczema products	68917-57 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
Terpenes and terpenoids, mixed sour and sweet orange oil	Linalool, contact allergen for eczema products	68917-57 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TERPINEOL	2-(4-methylcyclohex- 3-en-1-yl)propan- 2-ol; p-Menth-1-en- 8-ol (alpha- Terpineol); 1-methyl- 4-(1-methylvinyl) cyclohexan-1-ol (beta-Terpineol); 1-methyl- 4-(1-methylethylidene)cyclo hexan-1-ol (gamma-Terpineol)	8000-41- 7	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
TERPINEOL ACETATE	p-Mentha-1,4(8)- diene	8007-35- 0	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products and 0.01% in rinse-off products. The peroxide value for each substance shall be less than 10 mmoles/L	
TERPINOLENE	TERPINOLENE	586-62-9	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
TERT-BUTYLHYDROQUINON E	ТВНQ	1948-33- 0	Health Canada restricts this ingredient to a maximum concentration of 0.1%.	
TERT-BUTYLHYDROQUINON E	TBUTYL HYDROQUINONE	1948-33- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TETRAAMINOPYRIMIDINE SULFATE	TETRAAMINOPYRIMIDINE SULFATE	5392-28- 9	The European Commission restricts this ingredient to a maximum concentration of 3.4% (calculated as sulphate) applied to hair after mixing under oxidative conditions in oxidative hair dye products, and 3.4% (calculated as sulphate) in nonoxidative hair dye products. Required Warning: The European Commission requires the following warning text on the product label/package: 'Hair colorants can cause severe allergic reactions'	
TETRAAMINOPYRIMIDINE SULFATE	TETRAAMINOPYRIMIDINE SULFATE	5392-28- 9	Per European restrictions, prohibited for use in hair dye products.	
TETRACHLOROPHTHALIC ANHYDRIDE	tetrachlorophthalic anhydride	117-08-8	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
TETRACHLOROPHTHALIC ANHYDRIDE	tetrachlorophthalic anhydride	117-08-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TETRADECYLHEPTAETHOXYL ATE	Tetradecylheptaethoxylate	40036-79 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TETRADIBUTYL PENTAERITHRITYL HYDROXYHYDROCINNAMAT E	PENTAERYTHRITYL TETRA-DI-T-BUTYL HYDROXYHYDROCINNAM ATE	6683-19- 8	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.8%.	
TETRAETHYL SILICATE	Silica, amorphous; silicate; borosilicate	78-10-4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TETRAETHYL SILICATE	Silica, amorphous; silicate; borosilicate	78-10-4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TETRAHEXYLDECYL ASCORBATE	TETRAHEXYLDECYL ASCORBATE	183476-8 2-6	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 3%.	
TETRALITHIUM 6-AMINO-4-HYDROXY-3-(7-S ULFONATO-4-(4-SULFONATO PHENYLAZO)-1-NAPHTHYLA ZO)NAPHTHALENE-2,7-DISU LFONATE	TETRALITHIUM 6-AMINO-4-HYDROXY-3-(7 -SULFONATO-4-(4-SULFON ATOPHENYLAZO)-1-NAPHT HYLAZO)NAPHTHALENE-2, 7-DISULFONATE	106028-5 8-4	Per European restrictions, prohibited for use in hair dye products.	
TETRAMETHRIN	Tetramethrin	7696-12- 0	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
TETRAMETHRIN	Tetramethrin	7696-12- 0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TETRAPOTASSIUM ETIDRONATE	TETRAPOTASSIUM ETIDRONATE	14860-53 -8	The European Commission restricts this ingredient to a maximum concentration of 1.5% (as etidronic acid) in hair products, and 0.2% (as etidronic acid) in soap products.	
TETRASELMIS CHUI EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TETRASODIUM EDTA	TETRASODIUM EDTA	64-02-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TETRASODIUM EDTA DIHYDRATE	TETRASODIUM EDTA	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TETRASODIUM EDTA TETRAHYDRATE	TETRASODIUM EDTA	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TETRASODIUM ETIDRONATE	TETRASODIUM ETIDRONATE	3794-83- 0	The European Commission restricts this ingredient to a maximum concentration of 1.5% (as etidronic acid) in hair products, and 0.2% (as etidronic acid) in soap products.	
TETRASODIUM GLUTAMATE DIACETATE	Tetrasodium glutamate diacetate	51981-21- 6	This substance must not contain any residual nitrilotriacetic acid (NTA).	
TETRASODIUM GLUTAMATE DIACETATE	TETRASODIUM GLUTAMATE DIACETATE	51981-21- 6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
THEOBROMA CACAO (COCOA) SEED BUTTER	THEOBROMA CACAO (COCOA) SEED BUTTER	8002-31- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 37%	
THEOBROMA GRANDIFLORUM (THEOBROMA) SEED BUTTER	THEOBROMA GRANDIFLORUM SEED BUTTER	394236-9 7-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 7%.	
THEOBROMINE	THEOBROMINE	83-67-0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
THIANTHOL	Thianthol	135-58-0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.8% in rinseoff products (not applied to mucosa).	
THIANTHOL	Thianthol	135-58-0	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
THIANTHOL	Thianthol	135-58-0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.8% in leaveon products (not applied to mucosa).	
THIOCTIC ACID	Thioctic acid	1077-28- 7	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
THIOCYANIC ACID, AMMONIUM SALT, MIXT. WITH ALUMINUM HYDROXIDE	Aluminum Compounds	93269-06 -8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
THIOGLYCOLIC ACID	thioglycolic acid	68-11-1	The European Commission restricts this ingredient to a maximum concentration of 8% (as thioglycolic acid) with a pH of 7 to 9.5 in general use hair products, 11% (as thioglycolic acid) with a pH of 7 to 9.5 in professional use hair products, 5% (as thioglycolic acid) with a pH of 7 to 9.5 in hair rinseoff products. Required Warning: The European Commission requires the following conditions of use on the label/package of hair products, depilatories and hair rinseoff products: 'Avoid contact with eyes'; 'In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice'. Additionally, the following varning text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following text on the label/package of hair products: 'Wear suitable gloves'. The European Commission also requires the following text on the label/package of hair products: 'Contains thioglycolate'; 'Follow the instructions'; 'Keep out of reach of children'. Additionally, the following warning text is required on hair products: 'For professionaly use only.'	
THIOGLYCOLIC ACID	thioglycolic acid	68-11-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15.2% in hair straighteners, permanent waves, tonics, dressings, wave sets, other noncoloring hair products, and hair dyes and colors.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
THIOGLYCOLIC ACID	Thioglycolic acid and its salts	68-11-1	Canada limits the use of this chemical in eyelash curling products at a maximum concentration of 11% (as thioglycolic acid) with a pH less than or equal to 9.5	
THIOGLYCOLIC ACID	Thioglycolic acid and its salts	68-11-1	Canada limits the use of this chemical in hair dyes, waving or straightening products at a maximum concentration of 8% (as thioglycolic acid) with a pH less than or equal to 9.5	
THIOGLYCOLIC ACID	Thioglycolic acid and its salts	68-11-1	Canada limits the use of this chemical in hair dyes, waving or straightening products for professional use at a maximum concentration of 11% (as thioglycolic acid) with a pH less than or equal to 9.5	
THIOGLYCOLIC ACID	Thioglycolic acid and its salts	68-11-1	Canada limits the use of this chemical in depilatory products at a maximum concentration of 5% (as thioglycolic acid) with a pH less than or equal to 12.7	
THIOGLYCOLIC ACID	THIOGLYCOLICACID	68-11-1	Health Canada restricts this ingredient to a maximum concentration of 8% with a pH of 7 to 9.5 in hair waving and straightening products, 11% with a pH of 7 to 9.5 in hair waving and straightening products for professional use, and 5% with a pH of 7 to 12.7 in depilatory products. Required Warning: Health Canada requires the following text on the product package/label: 'Avoid direct skin contact, wear suitable gloves'; 'For professional use only'; 'Avoid contact with eyes and, in the event of contact with eyes, rinse immediately with plenty of water and seek medical attention'.	
THIOSULFATE SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
THIOSULFATE SILICA	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
THREONINE	THREONINE	80-68-2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.05%.	
THUJA OCCIDENTALIS (ARBORVITAE) LEAF OIL	THUJA OCCIDENTALIS (ARBORVITAE) LEAF OIL	8007-20- 3	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
THUJA OCCIDENTALIS BARK EXTRACT	THUJA OCCIDENTALIS BARK EXTRACT	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
THUJA OCCIDENTALIS LEAF	THUJA OCCIDENTALIS LEAF	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
THUJA OCCIDENTALIS LEAF EXTRACT	THUJA OCCIDENTALIS LEAF EXTRACT	0	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
THUJA OCCIDENTALIS ROOT EXTRACT	THUJA OCCIDENTALIS BARK EXTRACT	90131-58 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
THUJA OCCIDENTALIS ROOT EXTRACT	THUJA OCCIDENTALIS LEAF	90131-58 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
THUJA OCCIDENTALIS ROOT EXTRACT	THUJA OCCIDENTALIS LEAF EXTRACT	90131-58 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
THUJA OCCIDENTALIS ROOT EXTRACT	THUJA OCCIDENTALIS ROOT EXTRACT	90131-58 -1	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
ТНҮМЕ	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ТНҮМЕ	thyme	0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
ТНҮМЕ	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
ТНҮМЕ	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
THYMOL	thymol	89-83-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
THYMOL	thymol	89-83-8	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMOL	thymol	89-83-8	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
THYMOL	THYMOL	89-83-8	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon and rinseoff products.	
THYMUS CAPITATUS HERB EXTRACT	Geraniol, contact allergen for eczema products	90131-59- 2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS CAPITATUS HERB EXTRACT	Linalool, contact allergen for eczema products	90131-59- 2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS CAPITATUS HERB OIL	Geraniol, contact allergen for eczema products	90131-59- 2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS CAPITATUS HERB OIL	Linalool, contact allergen for eczema products	90131-59- 2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS CITRIODORUS EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS CITRIODORUS EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS CITRIODORUS FLOWER/LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
THYMUS CITRIODORUS FLOWER/LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS EXTRACT	Geraniol, contact allergen for eczema products	8057-54- 3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS EXTRACT	Linalool, contact allergen for eczema products	8057-54- 3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS HYDROLYSATE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS HYDROLYSATE	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
THYMUS LINALOL (THYME LINALOL) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS LINALOL (THYME LINALOL) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS LINALOL (THYME LINALOL) OIL	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS MASTICHINA (MARJORAM) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS MASTICHINA (MARJORAM) OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS MASTICHINA HERB EXTRACT	Geraniol, contact allergen for eczema products	84837-14 -9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS MASTICHINA HERB EXTRACT	Linalool, contact allergen for eczema products	84837-14 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS MASTICHINA HERB OIL	Geraniol, contact allergen for eczema products	84837-14 -9	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS MASTICHINA HERB OIL	Linalool, contact allergen for eczema products	84837-14 -9	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
THYMUS MASTICHINA OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS MASTICHINA OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS PEPTIDES	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS PEPTIDES	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS PRAECOX (MOTHER OF THYME) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS PRAECOX (MOTHER OF THYME) EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS SERPILLUM (WILD THYME) EXTRACT	Geraniol, contact allergen for eczema products	84776-98 -7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS SERPILLUM (WILD THYME) EXTRACT	Linalool, contact allergen for eczema products	84776-98 -7	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
THYMUS SERPILLUM (WILD THYME) EXTRACT	thymol	84776-98 -7	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS VULGARIS (COMMON THYME)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (COMMON THYME)	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (COMMON THYME)	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS VULGARIS (COMMON THYME)	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
THYMUS VULGARIS (COMMON THYME)	THYMUS VULGARIS (COMMON THYME)	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
THYMUS VULGARIS (COMMON THYME)	THYMUS VULGARIS (COMMON THYME)	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
THYMUS VULGARIS (COMMON THYME) LEAF EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (COMMON THYME) LEAF EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (COMMON THYME) LEAF EXTRACT	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS VULGARIS (COMMON THYME) LEAF EXTRACT	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
THYMUS VULGARIS (COMMON THYME) LEAF EXTRACT	THYMUS VULGARIS (COMMON THYME) LEAF EXTRACT	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
THYMUS VULGARIS (COMMON THYME) LEAF EXTRACT	THYMUS VULGARIS (COMMON THYME) LEAF EXTRACT	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
THYMUS VULGARIS (COMMON THYME) OIL	Geraniol, contact allergen for eczema products	8007-46- 3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (COMMON THYME) OIL	Linalool, contact allergen for eczema products	8007-46- 3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (COMMON THYME) OIL	thymol		The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
THYMUS VULGARIS (COMMON THYME) OIL	thymol	8007-46- 3	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS VULGARIS (COMMON THYME) OIL	Thymus vulgaris (common thyme) oil	8007-46- 3	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
THYMUS VULGARIS (COMMON THYME) OIL	Thymus vulgaris (common thyme) oil	8007-46-3	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
THYMUS VULGARIS (COMMON THYME) OIL EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (COMMON THYME) OIL EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (COMMON THYME) OIL EXTRACT	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS VULGARIS (COMMON THYME) OIL EXTRACT	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
THYMUS VULGARIS (THYME) EXTRACT	Geraniol, contact allergen for eczema products	84929-51 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
THYMUS VULGARIS (THYME) EXTRACT	Linalool, contact allergen for eczema products	84929-51 -1	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (THYME) EXTRACT	thymol	84929-51 -1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS VULGARIS (THYME) EXTRACT	thymol	84929-51 -1	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
THYMUS VULGARIS (THYME) EXTRACT	THYMUS VULGARIS (COMMON THYME) EXTRACT	84929-51 -1	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
THYMUS VULGARIS (THYME) EXTRACT	THYMUS VULGARIS (COMMON THYME) EXTRACT	84929-51 -1	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
THYMUS VULGARIS (THYME) LEAF	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
THYMUS VULGARIS (THYME) LEAF	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS VULGARIS (THYME) LEAF	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS VULGARIS (THYME) LEAF	THYMUS VULGARIS (THYME) LEAF	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
THYMUS VULGARIS (THYME) LEAF	THYMUS VULGARIS (THYME) LEAF	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
THYMUS VULGARIS LEAF WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
THYMUS VULGARIS LEAF WATER	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
THYMUS VULGARIS LEAF WATER	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
THYMUS VULGARIS LEAF WATER	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	
THYMUS VULGARIS LEAF WATER	THYMUS VULGARIS LEAF WATER	0	The European Union and Canada restricts the use of methyl eugenol, a component of this ingredient, so that the highest concentration of methyl eugenol in finished products does not exceed 0.01% in fine fragrance, 0.004 % in eau de toilette, 0.002 % in a fragrance cream, 0.0002 % in other leaveon products and in oral hygiene products, and 0.001% in rinseoff products.	
THYMUS VULGARIS LEAF WATER	THYMUS VULGARIS LEAF WATER	0	The International Fragrance Association restricts methyl eugenol to the following concentration limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.00058% Category 2) 0.0023% Category 3) 0.00029% Category 4) 0.016% Category 5A) 0.0020% Category 5B) 0.00058% Category 5C) 0.00058% Category 5D) 0.00019% Category 6) 0.0014% Category 7A) 0.00058% Category 7B) 0.00058% Category 8) 0.00019% Category 9) 0.00087% Category 10A) 0.00087% Category 10B) 0.0032% Category 11A) 0.00019% Category 11B) 0.00019% Category 12) 0.97%	
THYMUS ZYGIS HERB EXTRACT	Geraniol, contact allergen for eczema products	85085-75 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS ZYGIS HERB EXTRACT	Linalool, contact allergen for eczema products	85085-75 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
THYMUS ZYGIS HERB OIL	Geraniol, contact allergen for eczema products	85085-75 -2	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS ZYGIS HERB OIL	Linalool, contact allergen for eczema products	85085-75 -2	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS ZYGIS OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
THYMUS ZYGIS OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TILIA VULGARIS (COMMON THYME) FLOWER EXTRACT	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TILIA VULGARIS (COMMON THYME) FLOWER EXTRACT	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
TIN OXIDE	TIN OXIDE	21651-19- 4	The Consumer Ingredient Expert Panel concluded that tin(IV) oxide is safe in the present practices of use at concentrations < 1.3%	
TINOSORB M	TINOSORB M	103597-4 5-1	Per COSING, the maximum concentration in RTU preparation is 10% (if both the nano and non-nano forms of this substance are used, the total sum maximum use for both substances is 10%). Not to be used in applications that may lead to exposure of the end user's lungs by inhalation. Only nanomaterials having the following characteristics are allowed: Purity greater than or equal to 98,5 %, with 2,2'-methylene-bis- (6(2H-benzotriazol-2-yl)-4-(isooctyl)phenol) isomer fraction not exceeding 1,5 %; Solubility < 5 ng/L in water at 25 °C; Partition coefficient (Log Pow): 12,7 at 25 °C; Uncoated; Median particle size D50 (50 % of the number below this diameter): greater than or equal to 120 nm of mass distribution and/or greater than or equal to 60 nm of number size distribution.	
TIPA-ACRYLATES/ETHYLHEX YL ACRYLATE COPOLYMER	TIPAACRYLATES/ETHYLHE XYL ACRYLATE COPOLYMER	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TIPA-LAURETH SULFATE	TIPALAURETH SULFATE	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TIPA-LAURETH SULFATE	TIPALAURETH SULFATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TIPA-LAURYL SULFATE	TIPALAURYL SULFATE	66161-60 -2	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TIPA-MYRISTATE	TIPAMYRISTATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TIPA-STEARATE	TIPASTEARATE	10042-67 -8	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TITANIUM DIOXIDE	Titanium dioxide	13463-67 -7	Titanium dioxide is not allowed in powdered or spray products as it poses a cancer risk per IARC's assessment. Further, the European Commission restricts the maximum concentrations of arsenic to 3ppm, lead to 10ppm, mercury to 1ppm, cadmium to 1ppm, antimony to 50ppm and zinc to 50ppm.	
TITANIUM DIOXIDE	Titanium dioxide	13463-67 -7	The European Commission restricts this ingredient to a maximum concentration of 25% when used as a UV filter. In the case of combined use with Titanium Dioxide (nano) used as a UV filter, the sum shall not exceed the limit of 25%.	
TITANIUM DIOXIDE	TITANIUM DIOXIDE	13463-67 -7	Per the U.S. FDA., titanium dioxide shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 1 part per million. Antimony (as Sb), not more than 2 parts per million. Mercury (as Hg), not more than 1 part per million. Loss on ignition at 800 °C. (after drying for 3 hours at 105 °C.), not more than 0.5 percent. Water soluble substances, not more than 0.5 percent. Acid soluble substances, not more than 0.5 percent. TiO2, not less than 99.0 percent after drying for 3 hours at 105 °C. Lead, arsenic, and antimony shall be determined in the solution obtained by boiling 10 grams of the titanium dioxide for 15 minutes in 50 milliliters of 0.5N hydrochloric acid.	
TITANIUM DIOXIDE	TITANIUM DIOXIDE	13463-67 -7	Per COSING, this ingredient shall conform to the purity criteria as set out in Commission Directive 95/45/E (E 171), Titanium dioxide in powder form containing 1 % or more of particles with aerodynamic diameter less than or equal to 10 micrometers, to be used in compliance with Annex III, No 321 (For use as a UV filter, see Annex VI, No 27)	
EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
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TITANIUM DIOXIDE	TITANIUM DIOXIDE	13463-67 -7	Per COSING, the maximum concentration in RTU preparation is 25% - In case of combined use of Titanium Dioxide and Titanium Dioxide (nano), the sum shall not exceed the limit of 25%. Titanium dioxide in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm, to be used in compliance with Annex III, No 321. For the product types under letter (c) of column (f) in Annex III, No 321, the maximum concentration in ready for use preparation provided in column (g) of this entry applies. (For use as a colourant, see Annex IV, No 143).	
TITANIUM DIOXIDE (sunscreen grade)	Titanium dioxide	13463-67 -7	Titanium dioxide is not allowed in powdered or spray products as it poses a cancer risk per IARC's assessment. Further, the European Commission restricts the maximum concentrations of arsenic to 3ppm, lead to 10ppm, mercury to 1ppm, cadmium to 1ppm, antimony to 50ppm and zinc to 50ppm.	
TITANIUM DIOXIDE (sunscreen grade)	TITANIUM DIOXIDE (sunscreen grade)	13463-67 -7	Per the U.S. FDA., titanium dioxide shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 1 part per million. Antimony (as Sb), not more than 2 parts per million. Mercury (as Hg), not more than 1 part per million. Loss on ignition at 800 °C. (after drying for 3 hours at 105 °C.), not more than 0.5 percent. Water soluble substances, not more than 0.5 percent. Acid soluble substances, not more than 0.5 percent. TiO2, not less than 99.0 percent after drying for 3 hours at 105 °C. Lead, arsenic, and antimony shall be determined in the solution obtained by boiling 10 grams of the titanium dioxide for 15 minutes in 50 milliliters of 0.5N hydrochloric acid.	
TITANIUM DIOXIDE (sunscreen grade)	TITANIUM DIOXIDE (sunscreen grade)	13463-67 -7	Per COSING, the maximum concentration in RTU preparation is 25% - In case of combined use of Titanium Dioxide and Titanium Dioxide (nano), the sum shall not exceed the limit of 25%. Not to be used in applications that may lead to exposure of the end-user's lungs by inhalation Only nanomaterials having the following characteristics are allowed: — purity $\geq$ 99 %, — rutile form, or rutile with up to 5 % anatase, with crystalline structure and physical appearance as clusters of spherical, needle, or lanceolate shapes, — median particle size based on number size distribution $\geq$ 30 nm, — aspect ratio from 1 to 4.5. and volume specific surface area $\leq$ 460 m2/cm3, — coated with Silica, Hydrated Silica, Alumina, Aluminium Hydroxide, Aluminium Stearate, Stearic Acid, Trimethoxycaprylylsilane, Glycerin, Dimethicone, Hydrogen Dimethicone, Simethicone; or coated with one of the following combinations: —Silica at a maximum concentration of 16 % and Cetyl Phosphate at a Per COSING, the maximum concentration of 6 %, —Alumina at a maximum concentration of 7 % and Manganese Dioxide at a Per COSING, the maximum concentration of 0,7 % (not to be used in lip products), —Alumina at a maximum concentration of 3 % and Triethoxycaprylylsilane at a Per COSING, the maximum concentration of 9 %, — photocatalytic activity $\leq$ 10 % compared to corresponding non-coated or non-doped reference, — nanoparticles are photostable in the final formulation. Wording of conditions of use and warnings: For face products containing Titanium Dioxide (nano) coated with the combination Alumina and Manganese Dioxide: Not to be used on the lips.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TITANIUM/TITANIUM DIOXIDE	TITANIUM/TITANIUM DIOXIDE	0	Per the U.S. FDA., titanium dioxide shall conform to the following specifications: Lead (as Pb), not more than 10 parts per million. Arsenic (as As), not more than 1 part per million. Antimony (as Sb), not more than 2 parts per million. Mercury (as Hg), not more than 1 part per million. Loss on ignition at 800 °C. (after drying for 3 hours at 105 °C.), not more than 0.5 percent. Water soluble substances, not more than 0.5 percent. Acid soluble substances, not more than 0.5 percent. TiO2, not less than 99.0 percent after drying for 3 hours at 105 °C. Lead, arsenic, and antimony shall be determined in the solution obtained by boiling 10 grams of the titanium dioxide for 15 minutes in 50 milliliters of 0.5N hydrochloric acid.	
TMP LAURYL DIMETHICONE	TMP LAURYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TOCOPHERETH-10	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroguinone.	
TOCOPHERETH-12	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinope	
TOCOPHERETH-18	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinope	
TOCOPHERETH-5	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroguinone.	
TOCOPHERETH-50	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroguinone.	
TOCOPHEROL	TOCOPHERYL ACETATE	10191-41- 0	This ingredient should not contain detectable levels of hydroauinone.	
TOCOPHEROL NICOTINATE	TOCOPHERYL ACETATE	51898-34 -1	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHEROL, D-ALPHA-	TOCOPHERYL ACETATE	59-02-9	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHEROL, DL-ALPHA	TOCOPHERYL ACETATE	10191-41- 0	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERSOLAN	TOCOPHERSOLAN	30999-06 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
TOCOPHERSOLAN	TOCOPHERYL ACETATE	30999-06 -5	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL ACETATE	TOCOPHERYL ACETATE	58-95-7	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL DIMETHYLGLYCINATE HCI	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL ETHYL SUCCINATE ETHYLDIMONIUM ETHOSULFATE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL FERULATE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL GLUCOSIDE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL LINOLEATE	TOCOPHERYL ACETATE	36148-84 -2	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL LINOLEATE	TOCOPHERYL LINOLEATE	36148-84 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
TOCOPHERYL LINOLEATE/ OLEATE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL NICOTINATE	TOCOPHERYL ACETATE	16676-75- 8	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL NICOTINATE	TOCOPHERYL NICOTINATE	16676-75- 8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TOCOPHERYL OLEATE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroquinone.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TOCOPHERYL PHOSPHATE	TOCOPHERYL ACETATE	425429-2 2-7	This ingredient should not contain detectable levels of hydroquinone.	
TOCOPHERYL PHOSPHATE	TOCOPHERYL PHOSPHATE	425429-2 2-7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TOCOPHERYL POLYPEPTIDE	TOCOPHERYL ACETATE	0	This ingredient should not contain detectable levels of hydroguinone.	
TOCOPHERYL RETINOATE	Retinoids	40516-49 -2	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
TOCOPHERYL RETINOATE	TOCOPHERYL ACETATE	40516-49 -2	This ingredient should not contain detectable levels of hydroquinone.	
TOCOQUINONE	TOCOPHERYL ACETATE	7559-04- 8	This ingredient should not contain detectable levels of hydroquinone.	
TOCOTRIENOLS	TOCOTRIENOLS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TOLUALDEHYDE ISOMERS	o,m,pTolualdehydes and their mixtures	1334-78- 7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.17% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.5% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.26% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 1.11% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
TOLUALDEHYDE ISOMERS	o,m,pTolualdehydes and their mixtures	1334-78- 7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.085 % Category 2) 0.025 % Category 3) 0.51 % Category 4) 0.47 % Category 5A) 0.12 % Category 5B) 0.12 % Category 5C) 0.12 % Category 5D) 0.12 % Category 6) 0.28 % Category 7A) 0.96 % Category 7B) 0.96 % Category 8) 0.050 % Category 9) 0.92 % Category 10A) 3.3 % Category 10B) 3.3 % Category 11A) 1.8 % Category 11B) 1.8 % Category 12) No Restriction	
TONKA ABSOLUTE	Coumarin, contact allergen for eczema products	8046-22- 8	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TONKA BEAN CRYSTAL (OLD USAGE)	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TONKA BEAN EXTRACT	Coumarin, contact allergen for eczema products	0	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TONKA BEAN OIL	Coumarin, contact allergen for eczema products	8024-04- 2	This ingredient contains Coumarin, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
TORREYA NUCIFERA SEED	TORREYA NUCIFERA SEED	0	The Cosmetic Ingredient Review found this substance	
trans-2-HEXENAL	TRANS2HEXENAL	6728-26- 3	The European Commission restricts this ingredient to a maximum concentration of 0.002% in nonoral products	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
trans-2-HEXENAL	TRANS2HEXENAL	6728-26- 3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.02% in mouthwashes, breath sprays, and toothpastes, 0% in intimate wipes, and baby wipes, 0% in makeup removers, nonspray hair styling aids, nail products (bar and liquid scap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
trans-2-HEXENAL	TRANS2HEXENAL	6728-26- 3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0018 % Category 2) 0.00055 % Category 3) 0.011 % Category 4) 0.010 % Category 5A) 0.0026 % Category 5B) 0.0026 % Category 5C) 0.0026 % Category 5D) 0.00087 % Category 6) 0.0060 % Category 7A) 0.021 % Category 7B) 0.021 % Category 8) 0.00087 % Category 9) 0.020 % Category 10A) 0.020 % Category 10B) 0.072 % Category 11A) 0.00087 % Category 11B) 0.00087 % Category 12) No Restriction	
trans-CINNAMONITRILE	Cinnamyl nitrile	1885-38- 7	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.03% in lip products, 0.04% in deodorants/antiperspirants, 0.13% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.13% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.13% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.8% in mouthwashes, breath sprays, and toothpastes, 0.08% in intimate wipes, and baby wipes, 0.13% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
trans-CINNAMONITRILE	Cinnamyl nitrile	1885-38- 7	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.077 % Category 2) 0.023 % Category 3) 0.46 % Category 4) 0.43 % Category 5A) 0.11 % Category 5B) 0.11 % Category 5C) 0.11 % Category 5D) 0.11 % Category 6) 0.25 % Category 7A) 0.88 % Category 7B) 0.88 % Category 8) 0.045 % Category 9) 0.84 % Category 10A) 3.0 % Category 10B) 3.0 % Category 11A) 1.7 % Category 11B) 1.7 % Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
trans-ROSE KETONE-1	Rose ketones	24720-09 -0	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
trans-ROSE KETONE-1	Rose ketones	24720-09 -0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
trans-ROSE KETONE-1	TRANSROSE KETONE1	24720-09 -0	The European Commission restricts this ingredient to a maximum concentration of 0.02% in nonoral products.	
trans-ROSE KETONE-2	Rose ketones	23726-91-2	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
trans-ROSE KETONE-2	Rose ketones	23726-91- 2	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
trans-ROSE KETONE-2	TRANSROSE KETONE2	23726-91- 2	The European Commission restricts this ingredient to a maximum concentration of 0.02% in nonoral products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
trans-ROSE KETONE-3	Rose ketones	71048-82 -3	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
trans-ROSE KETONE-3	Rose ketones	71048-82 -3	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
trans-ROSE KETONE-3	TRANSROSE KETONE3	71048-82 -3	The European Commission restricts this ingredient to a maximum concentration of 0.02% in nonoral products.	
trans-ROSE KETONE-5	Rose ketones	39872-57 -6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0% in lip products, 0% in deodorants/antiperspirants, 0.02% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.02% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.02% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.07% in mouthwashes, breath sprays, and toothpastes, 0.01% in intimate wipes, and baby wipes, 0.02% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
trans-ROSE KETONE-5	Rose ketones	39872-57 -6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction	
trans-ROSE KETONE-5	transROSE KETONE5	39872-57 -6	The European Commission restricts this ingredient to a maximum concentration of 0.02%.	
trans-TRIMETHYLUNDECADI ENOL	2,6,10Trimethylundeca5,9di en1ol	58001-88 -0	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.21 % Category 2) 0.062 % Category 3) 1.2 % Category 4) 1.2 % Category 5A) 0.29 % Category 5B) 0.29 % Category 5C) 0.29 % Category 5D) 0.29 % Category 6) 0.68 % Category 7A) 2.4 % Category 7B) 2.4 % Category 8) 0.12 % Category 9) 2.3 % Category 10A) 8.1 % Category 10B) 8.1 % Category 11A) 4.5 % Category 11B) 4.5 % Category 12) No Restriction	
TREEMOSS CONCRETE	Contact allergens for eczema products	68648-41 -9	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TREEMOSS CONCRETE	Treemoss Extracts	68648-41 -9	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.02% in lip products, 0.03% in deodorants/antiperspirants, 0.1% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 0.1% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.1% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 0.5% in mouthwashes, breath sprays, and toothpastes, 0.1% in nitimate wipes, and baby wipes, 0.1% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
TREEMOSS CONCRETE	Treemoss Extracts	68648-41 -9	The International Fragrance Association restricts the dehydroabietic acid (DHA) concentration of this ingredient to a maximum of 0.8% in the extract, and the levels of atranol and chloroatranol should each be below 100ppm.	
TREEMOSS CONCRETE	Treemoss Extracts	68648-41 -9	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.020% Category 2) 0.016% Category 3) 0.10% Category 4) 0.10% Category 5A) 0.076% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.076% Category 6) 0.18% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.032% Category 9) 0.10% Category 10A) 0.10% Category 10B) 0.10% Category 11A) 0.10% Category 11B) 0.10% Category 12) No Restriction	
TREHALOSE	TREHALOSE	99-20-7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
TRI-C14-15 ALKYL CITRATE	TRIC1415 ALKYL CITRATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5% in leaveon products.	
TRIACETIN	Triacetin	102-76-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
TRIACETYL RETINOYL PHYTOSPHINGOSINE	Retinoids	0	Based on EWG scientists' modeling of NTP's 2012 photocarginogenicity data, retinoids are limited to 0.01 ppm retinol equivalents (RE) total in Verified products.	
TRIACONTANYL PVP	TRIACONTANYL PVP	136445-6 9-7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRIBEHENIN	TRIBEHENIN	18641-57 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
TRIBEHENIN PEG-20 ESTERS	Tribehenin Peg20 Esters	220207-1 0-3	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIBUTYL CITRATE	TRIBUTYL CITRATE	77-94-1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 9%.	
TRICAPRIN	TRICAPRIN	621-71-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.75%	
TRICAPRYLIN	TRICAPRYLIN	538-23-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 13%	
TRICETEARETH 4 PHOSPHATE	Triceteareth 4 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TRICETETH-5 PHOSPHATE	Triceteth5 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-10	TRIDECETH10	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-10 PHOSPHATE	Trideceth10 Phosphate	9046-01- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-10 PHOSPHATE	Trideceth3 Phosphate	9046-01- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-10 PHOSPHATE	Trideceth6 Phosphate	9046-01- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-11	TRIDECETH11	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-12	TRIDECETH12	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-15	TRIDECETH15	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-15 CARBOXYLIC ACID	Trideceth15 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-15 TRIDECYL ETHER CARBOXYLIC ACID	Trideceth15 Tridecyl Ether Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-18	TRIDECETH18	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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TRIDECETH-19 CARBOXYLIC ACID	Trideceth19 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-2	TRIDECETH2	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-2 CARBOXAMIDE MEA	TRIDECETH2 CARBOXAMIDE MEA	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-2 CARBOXAMIDE MEA	TRIDECETH2 CARBOXAMIDE MEA	0	(*) The Cosmetic Ingredient Review does not allow the use of this ingredient in cosmetic products where Nnitroso compounds may be formed.	
TRIDECETH-20	TRIDECETH20	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-21	TRIDECETH21	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-3	TRIDECETH3	4403-12- 7	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-3 CARBOXYLIC ACID	Trideceth3 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-3 PHOSPHATE	Trideceth3 Phosphate	9046-01- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-4	TRIDECETH4	69011-36- 5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-4 CARBOXYLIC ACID	Trideceth4 Carboxylic Acid	127174-9 7-4	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-5	TRIDECETH5	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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TRIDECETH-50	TRIDECETH50	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-6	TRIDECETH6	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-6 PHOSPHATE	Trideceth6 Phosphate	9046-01- 9	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-7	TRIDECETH7	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-7 CARBOXYLIC ACID	Trideceth7 Carboxylic Acid	56388-96 -6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-8	TRIDECETH8	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-8 CARBOXYLIC ACID	Trideceth8 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH10	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH11	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH12	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH15	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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TRIDECETH-9	TRIDECETH18	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH2	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH20	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH21	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH5	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH50	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH6	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH7	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	TRIDECETH8	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9	Trideceth9	24938-91 -8	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9 PG-AMODIMETHICONE	TRIDECETH-9 PG-AMODIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

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TRIDECETH-9 PG-AMODIMETHICONE	Trideceth9 PgAmodimethicone	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECETH-9/ PEG-5 OCTANOATE	Trideceth9/ Peg5 Octanoate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIDECYL ISONONANOATE	TRIDECYL ISONONANOATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 9%.	
TRIDECYL SALICYLATE	TRIDECYL SALICYLATE	19666-16- 1	The Cosmetic Ingredient Review restricts the use of this ingredient to products formulated to avoid increasing sun sensitivity or when directions for use include daily use of sun protection.	
TRIDECYL TRIMELLITATE	TRIDECYL TRIMELLITATE	70225-05 -7	The Cosmetic Ingredient Review Expert Panel has determined this ingredient as safe as used at concentrations < 57.1%	
TRIDECYL TRIMELLITATE	TRIDECYL TRIMELLITATE	70225-05 -7	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 57.1% when formulated to be non-irritating.	
TRIDECYLHEXAETHOXYLATE	Tridecylhexaethoxylate	930-09-6	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIETHANOLAMINE LAURYL SULFATE	TEALAURYL SULFATE	139-96-8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10.5%.	
TRIETHANOLAMINE LAURYL SULFATE	TRIETHANOLAMINE LAURYL SULFATE	139-96-8	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TRIETHANOLAMINE POLYOXYETHYLENE ALKYLPHENYLETHER PHOSPHATE	TRIETHANOLAMINE POLYOXYETHYLENE ALKYLPHENYLETHER PHOSPHATE	0	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TRIETHOXYCAPRYLYLSILAN E	Triethoxycaprylylsilane	2943-75- 1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 2.6%	
TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHY L DIMETHICONE	TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYET HYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYETHY L HEXYL DIMETHICONE	TRIETHOXYSILYLETHYL POLYDIMETHYLSILOXYET HYL HEXYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIETHYL CITRATE	TRIETHYL CITRATE	77-93-0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 6%.	

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TRIETHYLENE GLYCOL	Triethylene glycol	112-27-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2%.	
TRIETHYLHEXYL TRIMELLITATE	TRIETHYLHEXYL TRIMELLITATE	3319-31-1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TRIHEPTANOIN	TRIHEPTANOIN	620-67-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 5%	
TRIHYDROXYSTEARIN	TRIHYDROXYSTEARIN	139-44-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 15%.	
TRIISOCETYL CITRATE	TRIISOCETYL CITRATE	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3% in leaveon products.	
TRIISODECYL TRIMELLITATE	TRIISODECYL TRIMELLITATE	36631-30- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TRIISONONANOIN	TRIISONONANOIN	56554-53 -1	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 25%	
TRIISOPROPANOLAMINE	TRIISOPROPANOLAMINE	122-20-3	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	
TRIISOPROPANOLAMINE	TRIISOPROPANOLAMINE	122-20-3	The Cosmetic Ingredient Review restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
TRIISOSTEARIN	TRIISOSTEARIN	26942-95 -0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 45%	
TRIISOSTEARIN PEG-6 ESTERS	Triisostearin Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIISOSTEARYL CITRATE	TRIISOSTEARYL CITRATE	113431-5 4-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRILAURETH-4 PHOSPHATE	Trilaureth4 Phosphate	31800-90 -5	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRILAURETH-9 CITRATE	Trilaureth9 Citrate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRILAURIN	TRILAURIN	538-24-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 46%	
TRILAURYL PHOSPHATE	TRILAURYL PHOSPHATE	682-49-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TRILAURYLAMINE	TRILAURYLAMINE	102-87-4	The European Commission restricts this ingredient to a maximum concentration of 2.5% in leaveon products. Additionally, this substance cannot be used with nitrosating systems, the minimum purity of the ingredient should be 99%, it cannot have a secondary amine content of more than 0.5% (applies to raw materials), it cannot have a nitrosamine content of more than 50 microgram/kg, and it should be kept in nitritefree containers.	

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TRILINOLEIC ACID	TRILINOLEIC ACID	7049-66- 3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating and non-sensitizing.	
TRILINOLEIN	TRILINOLEIN	537-40-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.017%	
TRILINOLENIN	TRILINOLENIN	14465-68 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRIMELLITIC ANHYDRIDE	Trimellitic Anhydride	552-30-7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
TRIMELLITIC ANHYDRIDE	Trimellitic Anhydride	552-30-7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TRIMETHICONE	TRIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIMETHOXYCAPRYLYLSILA NE	Trimethoxycaprylylsilane	3069-40- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.77%	
TRIMETHYL PENTANYL DIISOBUTYRATE	TRIMETHYL PENTANYL DIISOBUTYRATE	6846-50- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRIMETHYLATED SILICA	Silica, amorphous; silicate; borosilicate	68988-56 -7	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLATED SILICA	Silica, amorphous; silicate; borosilicate	68988-56 -7	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLATED SILICA/ DIMETHICONE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLATED SILICA/ DIMETHICONE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLATED SILICA/ DIMETHICONE	TRIMETHYLATED SILICA/ DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIMETHYLOLETHANE-BENZ OIC ACID-PHTHALIC ANHYDRIDE RESIN	TrimethylolethaneBenzoic AcidPhthalic Anhydride Resin	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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TRIMETHYLSILOXYAMODIM ETHICONE	TRIMETHYLSILOXYAMODI METHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIMETHYLSILOXYPHENYL DIMETHICONE	TRIMETHYLSILOXYPHENY L DIMETHICONE	73138-88 -2	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIMETHYLSILOXYPOLYSILI CATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYPOLYSILI CATE	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYSILICATE	Silica, amorphous; silicate; borosilicate	56275-01 -5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYSILICATE	Silica, amorphous; silicate; borosilicate	56275-01 -5	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYSILICATE	Trimethylsiloxysilicate	56275-01 -5	The Cosmetic Ingredient Review has determined this ingredient to be safe as used when formulated and delivered in the final product not to be irritating and sensitizing to the respiratory tract up to a concentration of 30%.	
TRIMETHYLSILOXYSILICATE ACRYLATES/ CARBAMATE COPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYSILICATE ACRYLATES/ CARBAMATE COPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYSILICATE /DIMETHICONE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TRIMETHYLSILOXYSILICATE /DIMETHICONE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYSILICATE /DIMETHICONE CROSSPOLYMER	TRIMETHYLSILOXYSILICA TE/DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIMETHYLSILOXYSILICATE /DIMETHICONE CROSSPOLYMER	TRIMETHYLSILOXYSILICA TE/DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRIMETHYLSILOXYSILICATE /DIMETHICONOL CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYSILICATE /DIMETHICONOL CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRIMETHYLSILOXYSILICATE /DIMETHICONOL CROSSPOLYMER	TRIMETHYLSILOXYSILICA TE/DIMETHICONOL CROSSPOLYMER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
TRIMETHYLSILYLAMODIMET HICONE	TRIMETHYLSILYLAMODIM ETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIMETHYLUNDECADIENOL	2,6,10Trimethylundeca5,9di en1ol	24048-14 -4	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.21 % Category 2) 0.062 % Category 3) 1.2 % Category 4) 1.2 % Category 5A) 0.29 % Category 5B) 0.29 % Category 5C) 0.29 % Category 5D) 0.29 % Category 6) 0.68 % Category 7A) 2.4 % Category 7B) 2.4 % Category 8) 0.12 % Category 9) 2.3 % Category 10A) 8.1 % Category 10B) 8.1 % Category 11A) 4.5 % Category 11B) 4.5 % Category 12) No Restriction	
TRIMYRISTIN	TRIMYRISTIN	555-45-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 8%	
TRIOCTYLDODECYL CITRATE	TRIOCTYLDODECYL CITRATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRIOLEIN	TRIOLEIN	122-32-7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.14%	
TRIOLEIN PEG-6 ESTERS	Triolein Peg6 Esters	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIOLETH-8 PHOSPHATE	Trioleth8 Phosphate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
TRIOLEYL PHOSPHATE	TRIOLEYL PHOSPHATE	3305-68- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	

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TRIPALMITIN	TRIPALMITIN	555-44-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 19%	
TRIPEPTIDE-1	Tripeptide1	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of up to 0.001%	
TRIPHENYL TRIMETHICONE	TRIPHENYL TRIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRIPROPYLENE GLYCOL	TRIPROPYLENE GLYCOL	24800-44 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TRIS(NONYLPHENYL)PHOSP HITE	Contact allergens for eczema products	26523-78 -4	Per GHS, the National Eczema Association, and/or dermatological testing data, this ingredient is a contact allergen and may not be used in OTC eczema products.	X
TRIS(TETRAMETHYLHYDROX YPIPERIDINOL) CITRATE	TRIS(TETRAMETHYLHYDR OXYPIPERIDINOL) CITRATE	220410-7 4-2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRISILOXANE	TRISILOXANE	107-51-7	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
TRISILOXANE	Trisiloxane	107-51-7	his substance was found to be very persistent and very bioaccumulative, and it is a proposed substance of very high concern in the European Union. These ingredients are restricted to 0.1% in final products	
TRISODIUM EDTA	TRISODIUM EDTA	150-38-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TRISODIUM GLYCYRRHIZATE	TRISODIUM GLYCYRRHIZATE	0	The Cosmetic Ingredient Review has identified the following potential contaminants/impurities in this ingredient: pesticides/PCBs, toxic metals, and heavy metals.	
TRISODIUM HEDTA	TRISODIUM HEDTA	139-89-9	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TRISODIUM HEXAFLUOROALUMINATE	Aluminum Compounds	13775-53- 6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TRISODIUM INOSITOL TRIPHOSPHATE	TRISODIUM INOSITOL TRIPHOSPHATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRISTEARYL PHOSPHATE	TRISTEARYL PHOSPHATE	4889-45- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
TRITICUM VULGARE (WHEAT) BRAN	TRITICUM VULGARE (WHEAT) BRAN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRITICUM VULGARE (WHEAT) BRAN EXTRACT	TRITICUM VULGARE (WHEAT) BRAN EXTRACT	84012-44 -2	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRITICUM VULGARE	TRITICUM VULGARE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRITICUM VULGARE	TRITICUM VULGARE	0	The Cosmetic Ingredient Review found this substance	
		0	The Cosmetic Ingredient Review found this substance	
TRITICUM VULGARE		0	The Cosmetic Ingredient Review found this substance	
TRITICUM VULGARE	TRITICUM VULGARE	84012-44	The Cosmetic Ingredient Review found this substance	
(WHEAT) GERM EXTRACT	(WHEAT) GERM EXTRACT	-2 8006-95-	was safe as used at the reported concentrations of use.	
(WHEAT) GERM OIL	(WHEAT) GERM OIL	9	this ingredient is safe as used up to 28%	
TRITICUM VULGARE (WHEAT) GERM OIL UNSAPONIFIABLES	Triticum Vulgare (Wheat) Germ Oil Unsaponifiables	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.2%	
TRITICUM VULGARE (WHEAT) GERM POWDER	TRITICUM VULGARE (WHEAT) GERM POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TRITICUM VULGARE (WHEAT) GLUTEN	TRITICUM VULGARE (WHEAT) GLUTEN	8002-80- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TRITICUM VULGARE (WHEAT) GLUTEN	TRITICUM VULGARE (WHEAT) GLUTEN	8002-80- 0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRITICUM VULGARE (WHEAT) GLUTEN	WHEAT (TRITICUM VULGARE) GLUTEN	8002-80- 0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TRITICUM VULGARE (WHEAT) GLUTEN EXTRACT	TRITICUM VULGARE (WHEAT) GLUTEN EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRITICUM VULGARE (WHEAT) KERNEL FLOUR	TRITICUM VULGARE (WHEAT) KERNEL FLOUR	130498-2 2-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TRITICUM VULGARE (WHEAT) KERNEL FLOUR	TRITICUM VULGARE (WHEAT) KERNEL FLOUR	130498-2 2-5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TRITICUM VULGARE (WHEAT) KERNEL FLOUR	WHEAT (TRITICUM VULGARE) FLOUR	130498-2 2-5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 1%.	
TRITICUM VULGARE (WHEAT) SEED EXTRACT	TRITICUM VULGARE (WHEAT) SEED EXTRACT	84012-44 -2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.34%.	
TRITICUM VULGARE (WHEAT) STARCH	TRITICUM VULGARE (WHEAT) STARCH	9005-25- 8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TROMETHAMINE	Tromethamine	77-86-1	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
TROMETHAMINE MAGNESIUM ALUMINUM SILICATE	Aluminum Compounds	66456-45 -9	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TROMETHAMINE MAGNESIUM ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	66456-45 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TROMETHAMINE MAGNESIUM ALUMINUM SILICATE	Silica, amorphous; silicate; borosilicate	66456-45 -9	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
TRYPSIN	trypsin	9002-07- 7	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TRYPTOPHAN	TRYPTOPHAN	54-12-6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
TUNGSTEN CARBIDE	Tungsten Carbide	12070-12 -1	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
TUNGSTEN CARBIDE	Tungsten Carbide	12070-12 -1	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TURPENTINE OIL	Turpentine	8006-64- 2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TURPENTINE OIL	Turpentine gum (Pinus spp.); Turpentine oil and rectified oil; Turpentine, steam distilled (Pinus spp.)	8006-64- 2	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products and 0.01% in rinse-off products. The peroxide value for each substance shall be less than 10 mmoles/L	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
TURPENTINE OIL	TURPENTINE OIL	8006-64- 2	The European Commission restricts this ingredient's peroxide content to less than 10 mmoles/L (this limit applies to the substance and not the finished cosmetic product).	
TYLOSIN, TARTRATE	Tylosin Tartrate	1405-54- 5	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
TYROSINE	TYROSINE	60-18-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
UBIQUINONE	Ubidecarenone	303-98-0	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in products meant to be applied to the mucosa.	
UBIQUINONE	Ubidecarenone	303-98-0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.03% in products not meant to be applied to the mucosa.	
ULTRAMARINES	ULTRAMARINES	1317-97-1	Per the U.S. FDA., the ultramarines shall conform to the following specifications and shall be free from impurities other than those named, to the extent that such other impurities may be avoided by good manufacturing practice. Lead (as Pb), not more than 20 parts per million. Arsenic (as As), not more than 3 parts per million. Mercury (as Hg), not more than 1 part per million.	
ULTRAMARINES	Ultramarines.	1317-97-1	The U.S. Food and Drug Administration restricts the lead, arsenic, and mercury content of this ingredient to maximum concentrations of 20 ppm, 3 ppm, and 1 ppm, respectively.	
UNDARIA PINNATIFIDA CELL CULTURE EXTRACT	UNDARIA PINNATIFIDA CELL CULTURE EXTRACT	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae-derived ingredients, EWG does not allow this substance to contain detectable levels of cadmium, lead, mercury, copper, zinc, arsenic, nickel, silver, or iodine.	
UNDARIA PINNATIFIDA EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
UNDARIA PINNATIFIDA EXTRACT	UNDARIA PINNATIFIDA EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 5%.	
UNDARIA PINNATIFIDA POWDER	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
UNDARIA PINNATIFIDA POWDER	UNDARIA PINNATIFIDA POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
UNDARIA PINNATIFIDA ROOT POWDER	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
UNDARIA PINNATIFIDA ROOT POWDER	UNDARIA PINNATIFIDA ROOT POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
UNDECANOIC ACID	UNDECANOIC ACID	112-37-8	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <0.14%	
UNDECETH-11	UNDECETH11	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	

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UNDECETH-3	UNDECETH3	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
UNDECETH-5	UNDECETH5	34398-01 -1	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
UNDECETH-5 CARBOXYLIC ACID	Undeceth5 Carboxylic Acid	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
UNDECETH-7	UNDECETH7	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
UNDECETH-8	UNDECETH8	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
UNDECETH-9	UNDECETH9	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
UNDECYLCRYLENE DIMETHICONE	UNDECYLCRYLENE DIMETHICONE	948847-3 5-6	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
UNDECYLENAMIDE DEA	UNDECYLENAMIDE DEA	25377-64 -4	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
UNDECYLENAMIDE DEA	UNDECYLENAMIDE DEA	25377-64 -4	The Cosmetic Ingredient Review restricts this ingredient to cosmetics products in which Nnitroso compounds cannot form (do not contain nitrosating agents).	
UNDECYLENAMIDOPROPYL BETAINE	UNDECYLENAMIDOPROPY L BETAINE	0	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
UNDECYLENAMIDOPROPYL PEG-2 DIMONIUM UNDECYLENATE	Undecylenamidopropyl Peg2 Dimonium Undecylenate	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
UNDECYLENIC ACID	UNDECYLENIC ACID	112-38-9	The Cosmetic Ingredient Review found this substance was safe as used at concentrations <25%	

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UNDECYLENOYL GLYCINE	undecylenoyl glycine	54301-26 -7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.3%	
UNDECYLENOYL INULIN	UNDECYLENOYL INULIN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use	
UNDECYLENOYL PEG 5 PARABEN	Undecylenoyl Peg 5 Paraben	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
UNDECYLENOYL PHENYLALANINE	undecylenoyl phenylalanine	175357-1 8-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
UNDECYLENOYL WHEAT AMINO ACIDS	UNDECYLENOYL WHEAT AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
UNDECYLENOYL XANTHAN GUM	UNDECYLENOYL XANTHAN GUM	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
UREA	Urea	57-13-6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
UREA	Urea	57-13-6	Health Canada restricts this ingredient to a maximum concentration of 10% (cosmetics intended to be diluted in bath water may contain levels exceeding 10% urea).	
VA/ CROTONATES COPOLYMER	VA/ CROTONATES COPOLYMER	25609-89 -6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VA/ CROTONATES COPOLYMER	VA/CA (VINYL ACETATE/CROTONIC ACID) COPOLYMER	25609-89 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 11%.	
VA/ CROTONATES COPOLYMER	VA/crotonates copolymer	25609-89 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 11%.	
VA/ CROTONATES COPOLYMER	VINYL ACETATE/CROTONIC ACID COPOLYMER	25609-89 -6	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 11%.	
VA/ VINYL BUTYL BENZOATE/ CROTONATES COPOLYMER	Benzoate	0	The Japanese Ministry of Health, Labour and Welfare restricts total benzoate concentration to a maximum of 1% in the finished product.	
VA/BUTYL MALEATE/ISOBORNYL ACRYLATE COPOLYMER	VA/BUTYL MALEATE/ISOBORNYL ACRYLATE COPOLYMER	0	These substances must not be polymerized in benzene and the summed concentration of residual monomers (acrylic acid, methacrylic acid and their simple esters) are restricted to 100 ppm in this substance based on recommendations by the CIR panel that manufacturers minimize residual monomer content in in Acrylates Copolymers. Additionally, the CIR panel concluded these substances are safe as used when formulated to be non-irritating.	
VA/CROTONIC ACID/PEG-20M COPOLYMER	Va/crotonic Acid/peg20m Copolymer	0	The U.S. Food & Drug Administration has identified 1,4dioxane as a potential impurity in this ingredient and recommends that manufacturers utilize vacuum stripping at the end of the polymerization process. Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
VACCINIUM MACROCARPON (CRANBERRY) SEED OIL	VACCINIUM MACROCARPON (CRANBERRY) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
VACCINIUM MACROCARPON (CRANBERRY) SEED OIL	VACCINIUM MACROCARPON (CRANBERRY) SEED OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 2%	
VACCINIUM MYRTILLUS (BILBERRY) SEED OIL	VACCINIUM MYRTILLUS SEED OIL	84082-34 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
VACCINIUM MYRTILLUS (BILBERRY) SEED OIL	VACCINIUM MYRTILLUS SEED OIL	84082-34 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 0.1%	
VACCINIUM VITIS-IDAEA SEED OIL	VACCINIUM VITIS-IDAEA SEED OIL	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VALERIC ACID, 4-AMINO-5-(1,3-DIOXO-2-IS OINDOLINYL)-5-OXO-	VALERIC ACID, 4-AMINO-5-(1,3-DIOXO-2-I SOINDOLINYL)-5-OXO-	102584-9 0-7	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
VALINE	VALINE	72-18-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VANCOMYCIN	Vancomycin	1404-90- 6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
VANILLA PLANIFOLIA (VANILLA) FRUIT EXTRACT	VANILLA PLANIFOLIA (VANILLA) FRUIT EXTRACT	84650-63 -5	The Cosmetic Ingredient Review has determined that this ingredient is safe as used when formulated to be nonsensitizing up to 0.33%.	
VANILLA PLANIFOLIA (VANILLA) OIL	VANILLA PLANIFOLIA (VANILLA) OIL	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.33% and when formulated to be non-sensitizing.	
VANILLA PLANIFOLIA SEED	VANILLA PLANIFOLIA SEED	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
VANILLA PLANIFOLIA SEED POWDER	VANILLA PLANIFOLIA SEED POWDER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
VANILLA TAHITENSIS FRUIT EXTRACT	VANILLA TAHITENSIS FRUIT EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-sensitizing.	
VANILLIN	4-Hydroxy- 3-methoxybenz- aldehyde	121-33-5	The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.	
VEGETABLE AMINO ACIDS	VEGETABLE AMINO ACIDS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VEGETABLE FATTY ACID	VEGETABLE (OLUS) OIL	68956-68 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to 31%	
VEGETABLE GLYCERIN	Glycerin	56-81-5	Health Canada requires manufacturers of oral and leaveon products containing glycerin to ensure the raw material used is within the specifications of an accepted pharmacopoeia with respect to diethylene glycol (DEG) impurities.	
VEGETABLE OIL	VEGETABLE OIL	68956-68 -3	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 31%.	
VETIVERIA ZIZANIOIDES ROOT EXTRACT ACETYLATED	Acetylated Vetiver oil	84082-84	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.07% in lip products, 0.08% in deodorants/antiperspirants, 0.35% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.04% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.55% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.67% in mouthwashes, breath sprays, and toothpastes, 0.17% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
ROOT EXTRACT ACETYLATED	Acetylated Vetiver oil	84082-84 -8	restriction limits in the tinished product (using the IFRA 49th Amendment Categories): Category 1) 0.050% Category 2) 0.050% Category 3) 0.050% Category 4) 0.90% Category 5A) 0.10% Category 5B) 0.10% Category 5C) 0.10% Category 5D) 0.033% Category 6) 0.098% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.033% Category 9) 0.20% Category 10A) 0.20% Category 10B) 3.8% Category 11A) 0.033% Category 11B) 0.033% Category 12) No Restriction	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
Vetiverol acetate, distilled	Acetylated Vetiver oil	73246-97 -6	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.07% in lip products, 0.08% in deodorants/antiperspirants, 0.35% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.04% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.55% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.67% in mouthwashes, breath sprays, and toothpastes, 0.17% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
Vetiverol acetate, distilled	Acetylated Vetiver oil	73246-97 -6	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.050% Category 2) 0.050% Category 3) 0.050% Category 4) 0.90% Category 5A) 0.10% Category 5B) 0.10% Category 5C) 0.10% Category 5D) 0.033% Category 6) 0.098% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.033% Category 9) 0.20% Category 10A) 0.20% Category 10B) 3.8% Category 11A) 0.033% Category 11B) 0.033% Category 12) No Restriction	
VETIVERYL ACETATE	Acetylated Vetiver oil	62563-80 -8	The International Fragrance Association restricts this ingredient to a maximum concentration of 0.07% in lip products, 0.08% in deodorants/antiperspirants, 0.35% in hydroalcoholic products applied to recently shaved skin, men's facial creams and balms, eye products, and baby creams, lotions and oils, 1.04% in hydroalcoholic products applied to unshaved skin (e.g. perfume), body sprays, hair styling aids and sprays, body creams, oils and lotions, and foot care products, 0.55% in women's facial creams and makeup, hand creams, facial masks, baby powder, wipes, hand sanitizers, and dry shampoos, 1.67% in mouthwashes, breath sprays, and toothpastes, 0.17% in intimate wipes, and baby wipes, 2% in makeup removers, nonspray hair styling aids, nail products (bar and liquid soap, bath gels, body washes, depilatories, facial cleansers, shampoos, conditioners, etc.).	
VETIVERYL ACETATE	Acetylated Vetiver oil	62563-80 -8	restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.050% Category 2) 0.050% Category 3) 0.050% Category 4) 0.90% Category 5A) 0.10% Category 5B) 0.10% Category 5C) 0.10% Category 5D) 0.033% Category 6) 0.098% Category 7A) 0.10% Category 7B) 0.10% Category 8) 0.033% Category 9) 0.20% Category 10A) 0.20% Category 10B) 3.8% Category 11A) 0.033% Category 11B) 0.033% Category 12) No Restriction	
VINYL CAPROLACTAM/ PVP/ DIMETHYLAMINOETHYL METHACRYLATE COPOLYMER	VINYL CAPROLACTAM/ PVP/ DIMETHYLAMINOETHYL METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VINYL CAPROLACTAM/ PVP/ DIMETHYLAMINOETHYL METHACRYLATE COPOLYMER	VINYL CAPROLACTAM/ PVP/ DIMETHYLAMINOETHYL METHACRYLATE COPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VINYL DIMETHICONE	VINYL DIMETHICONE	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	VINYL DIMETHICONE/ METHICONE SILSESQUIOXANE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the maximum concentration of 20%	
VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER	VINYL DIMETHICONE/LAURYL DIMETHICONE CROSSPOLYMER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VINYL DIMETHYL/TRIMETHYLSILO XYSILICATE STEARYL DIMETHICONE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
VINYL DIMETHYL/TRIMETHYLSILO XYSILICATE STEARYL DIMETHICONE CROSSPOLYMER	Silica, amorphous; silicate; borosilicate	0	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
VINYL DIMETHYL/TRIMETHYLSILO XYSILICATE STEARYL DIMETHICONE CROSSPOLYMER	VINYL DIMETHYL/TRIMETHYLSIL OXYSILICATE STEARYL DIMETHICONE CROSSPOLYMER	0	According to the Cosmetic Ingredient Review, cyclic siloxanes, which are banned or restricted ingredients, can contaminate linear siloxanes, therefore the total concentration of D4 (octamethylcyclotetrasiloxane) and D5 (decamethylcyclopentasiloxane) must not exceed 0.01% or 100ppm in the final product.	
VIRACEA	BENZALKONIUMCHLORID E	0	Health Canada restricts this ingredient to a maximum concentration of 0.1% as a preservative (i.e. benzalkonium chloride with chain lengths less than or equal to 14 C) in all products and 3% as a conditioning agent (i.e. benzalkonium chloride with chain lengths greater than or equal to 16 C) in rinseoff products. Required Warning: Health Canada requires the following on the product label/package in all products containing more than 0.1% benzalkonium chloride: 'Avoid contact with eyes.'	
VIRACEA	BENZALKONIUMCHLORID E	0	Health Canada restricts this ingredient to a maximum concentration of 0.1% as a preservative (i.e. benzalkonium chloride with chain lengths less than or equal to 14 C) in all products and 3% as a conditioning agent (i.e. benzalkonium chloride with chain lengths greater than or equal to 16 C) in rinseoff products. Required Warning: Health Canada requires the following on the product label/package in all products containing more than 0.1% benzalkonium chloride: 'Avoid contact with eyes.'	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
VIRACEA	BENZALKONIUMCHLORID E	0	Health Canada restricts this ingredient to a maximum concentration of 0.1% as a preservative (i.e. benzalkonium chloride with chain lengths less than or equal to 14 C) in all products and 3% as a conditioning agent (i.e. benzalkonium chloride with chain lengths greater than or equal to 16 C) in rinseoff products. Required Warning: Health Canada requires the following on the product label/package in all products containing more than 0.1% benzalkonium chloride: 'Avoid contact with eyes.'	
VIRACEA	BENZALKONIUMCHLORID E	0	Health Canada restricts this ingredient to a maximum concentration of 0.1% as a preservative (i.e. benzalkonium chloride with chain lengths less than or equal to 14 C) in all products and 3% as a conditioning agent (i.e. benzalkonium chloride with chain lengths greater than or equal to 16 C) in rinseoff products. Required Warning: Health Canada requires the following on the product label/package in all products containing more than 0.1% benzalkonium chloride: 'Avoid contact with eyes.'	
VIRACEA	BENZALKONIUMCHLORID E	0	Health Canada restricts this ingredient to a maximum concentration of 0.1% as a preservative (i.e. benzalkonium chloride with chain lengths less than or equal to 14 C) in all products and 3% as a conditioning agent (i.e. benzalkonium chloride with chain lengths greater than or equal to 16 C) in rinseoff products. Required Warning: Health Canada requires the following on the product label/package in all products containing more than 0.1% benzalkonium chloride: 'Avoid contact with eves.'	
VIRACEA	BENZALKONIUMCHLORID E	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in products meant to be applied to the mucosa.	
VIRACEA	BENZALKONIUMCHLORID E	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products (not applied to mucosa).	
VITALLIUM	Chromium Compounds	12629-02 -6	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
VITAMIN B1	Thiamine	59-43-8	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
VITAMIN B3	VITAMIN B3	79-83-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VITAMIN E SUCCINATE	TOCOPHEROL	4345-03- 3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%.	
VITAMIN E SUCCINATE	TOCOPHERYL ACETATE	4345-03- 3	This ingredient should not contain detectable levels of hydroquinone.	
VITIS VINIFERA (GRAPE)	VITIS VINIFERA (GRAPE)	0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 0.1%.	
VITIS VINIFERA (GRAPE) FLOWER EXTRACT	VITIS VINIFERA (GRAPE) FLOWER EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VITIS VINIFERA (GRAPE) FRUIT EXTRACT	VITIS VINIFERA (GRAPE) FRUIT EXTRACT	84929-27 -1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 2%.	
VITIS VINIFERA (GRAPE) FRUIT WATER	VITIS VINIFERA (GRAPE) FRUIT WATER	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VITIS VINIFERA (GRAPE) JUICE	VITIS VINIFERA (GRAPE) JUICE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VITIS VINIFERA (GRAPE) JUICE EXTRACT	VITIS VINIFERA (GRAPE) JUICE EXTRACT	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VITIS VINIFERA (GRAPE) LEAF EXTRACT	VITIS VINIFERA (GRAPE) LEAF EXTRACT	84929-27 -1	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 3%.	
VITIS VINIFERA (GRAPE)	VITIS VINIFERA (GRAPE)	0	The Cosmetic Ingredient Review found this substance	
VITIS VINIFERA (GRAPE)	VITIS VINIFERA (GRAPE)	0	The Cosmetic Ingredient Review found this substance	
VITIS VINIFERA (GRAPE)	VITIS VINIFERA (GRAPE)	84929-27	The Cosmetic Ingredient Review found this substance	
ROOT EXTRACT	ROOT EXTRACT	-1	was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
VITIS VINIFERA (GRAPE) SEED	VITIS VINIFERA (GRAPE) SEED	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VITIS VINIFERA (GRAPE)	VITIS VINIFERA (GRAPE)	84929-27 -1	The Cosmetic Ingredient Review found this substance	
VITIS VINIFERA (GRAPE)	VITIS VINIFERA (GRAPE)	0	The Cosmetic Ingredient Review found this substance	
VITIS VINIFERA (GRAPE)	VITIS VINIFERA (GRAPE)	0	The Cosmetic Ingredient Review found this substance	
VITIS VINIFERA (GRAPE)	VITIS VINIFERA (GRAPE)	0	The Cosmetic Ingredient Review found this substance	
SKIN POWDER VITIS VINIFERA (GRAPE)	SKIN POWDER VITIS VINIFERA (GRAPE)	0	was safe as used at the reported concentrations of use. The Cosmetic Ingredient Review found this substance	
VINE EXTRACT	VINE EXTRACT	0	was safe as used at the reported concentrations of use.	
VINE SAP	VINE SAP	0	was safe as used at the reported concentrations of use.	
VOLCANIC ROCK	CLAYS AND MINERALS	0	international heavy metal limits of: Lead: 10 ppm,	
			Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
VP/ ACRYLATES/ LAURYL METHACRYLATE COPOLYMER	VP/ ACRYLATES/ LAURYL METHACRYLATE COPOLYMER	83120-95 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VP/		30581-59	The Cosmetic Ingredient Review found this substance	
HACRYLATE COPOLYMER	ETHACRYLATE COPOLYMER	-0	was sale as used at the reported concentrations of use.	
VP/ DIMETHYLAMINOETHYLMET	VP/ DIMETHYLAMINOETHYLM	30581-59 -0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
HACRYLATE COPOLYMER	ETHACRYLATE COPOLYMER			
VP/ DMAPA ACRYLATES COPOLYMER	VP/ DMAPA ACRYLATES COPOLYMER	175893-7 1-7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
VP/ EICOSENE COPOLYMER	VP/ EICOSENE	77035-98 -4	The Cosmetic Ingredient Review found this substance	
VP/ HEXADECENE	VP/ HEXADECENE	32440-50	The Cosmetic Ingredient Review found this substance	
VP/VA COPOLYMER	VP/VA COPOLYMER	-9 25086-89	The Cosmetic Ingredient Review has determined that	
		-9	this ingredient is safe as used up to a concentration of 12%.	
VP/VINYL CAPROLACTAM/DMAPA	VP/VINYL CAPROLACTAM/DMAPA	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ACRYLATES COPOLYMER WELAN GUM	ACRYLATES COPOLYMER WELAN GUM	96949-22	The Cosmetic Ingredient Review found this substance	
		-3	was safe as used at the reported concentrations of use.	
WHEAT AMINO ACIDS	WHEAT AMINO ACIDS	0	was safe as used at the reported concentrations of use.	
WHEAT GERM GLYCERIDES	WHEAT GERM GLYCERIDES	68990-07 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
WHEAT GERM OIL PEG-40 BUTYLOCTANOL ESTERS	WHEAT GERM OIL PEG-40 BUTYLOCTANOL ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
WHEAT GERM OIL PEG-40	Wheat Germ Oil Peg40	0	The U.S. Food & Drug Administration has identified	
BOTTLOCTANOL ESTERS	Burylociulior Esters		recommends that manufacturers utilize vacuum	
			Based on this finding, the concentration of 1,4 dioxane cannot exceed 1 ppm in the final product.	
WHEAT GERM OIL PEG-8 ESTERS	WHEAT GERM OIL PEG-8 ESTERS	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
WHEAT GERM OIL PEG-8	Wheat Germ Oil Peg8	0	The U.S. Food & Drug Administration has identified	
LUILNU	231713		recommends that manufacturers utilize vacuum	
			Based on this finding, the concentration of 1,4 dioxane	
WHEAT GERM PROTEIN	WHEAT GERM PROTEIN	0	cannot exceed 1 ppm in the final product. The Cosmetic Ingredient Review found this substance	
			was safe as used at the reported concentrations of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
WHEAT GERMAMIDE DEA	Wheat germamide DEA	124046-3 9-5	The European Commission restricts the usage and purity of this ingredient: the maximum secondary amine content cannot exceed 0.5% (applies to raw materials); the ingredient cannot be used with nitrosating systems; the minimum purity should be at least 99%; the maximum nitrosamine content cannot exceed 50 microgram/kg; and the product must be kept in nitritefree containers	
WHEAT GERMAMIDOPROPYL BETAINE	wheat germamidopropyl betaine	133934-0 9-5	The concentrations of DMAPA and amidoamine in this ingredient must not exceed 0.01% and 0.5% respectively. Additionally, this ingredient must be formulated to be nonsensitizing, as determined by a quantitative risk assessment (QRA) as outlined in the Final Report of the Cosmetic Ingredient Review Expert Panel on the Safety Assessment of Cocamidopropyl betaine (CAPB).	
WHEAT GERMAMIDOPROPYL DIMETHYLAMINE	Wheat germamidopropyl dimethylamine	0	This ingredient cannot be used in leaveon products and must not exceed 0.5% in rinseoff products. Additionally, this ingredient should not contain DMAPA at concentrations greater than 0.01%.	
WHEY PROTEIN	WHEY PROTEIN	84082-51 -9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
WHITE CLAY POWDER	CLAYS AND MINERALS	0	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
WHITE PETROLATUM	WHITE PETROLATUM	8009-03-	This ingredient is restricted due to its potential to bioaccumulate in human tissues. Based on European cosmetics legislation, European Pharmacopeia and recommendations from Cosmetics Europe and German Federal Institute for Risk Assessment, this ingredient must be highly refined including documentation of refining process and noncarcinogenic source material with DMSO extractives below 3% and PAH levels must be below 10 ppb. High viscosity mineral oils must have an average molecular mass of at least 500 Daltons, a viscosity value greater than 11 centistokes and no more than 5% of hydrocarbons with a chain length less than C28 may be present. Lowmedium viscosity mineral oils must have an average molecular mass of 480500 Daltons, a viscosity value of 8.511 centistokes, and no more than 5% of hydrocarbons with a carbon chain length less than C25 atoms may be present	
WHITE THYME OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
WHITE THYME OIL	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
wick	Wipe substrates	0	When this ingredient is used as a wipe substrate, testing must be provided to confirm purity. Total PAHs are limited to less than 0.2 ppm, and dioxin, furans, and pesticide residues must not be detectable.	X
WILD FLOWER HONEY	Honey	0	This substance must contain less than 40 mg/kg of 5hydroxymethylfurfural (HMF), in accordance with EU COUNCIL DIRECTIVE 2001/110/EC of 20 December 2001 relating to honey.	
WILD FLOWER HONEY	Honey	0	The CIR panel notes this substance may be contaminated with harmful impurites. EWG requires that this substance contains undetectable levels of the following: pesticides, heavy metals, polychlorinated biphenyls/persistent organic pollutants, and antibiotics.	
WILD FLOWER HONEY	Honey	0	The CIR panel concluded this substance is safe as used up to a concentration of 22%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
WILD MARJORAM	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
WILD MARJORAM	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
WILD THYME OIL	Linalool, contact allergen for eczema products	0	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
WILD THYME OIL	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	
Wormwood oil (Artemisia absinthium I.)	Geraniol, contact allergen for eczema products	8008-93- 3	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
Wormwood oil (Artemisia absinthium I.)	Linalool, contact allergen for eczema products	8008-93- 3	This ingredient contains Linalool, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
XANTHAN GUM	XANTHAN GUM	11138-66- 2	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 6%.	
XYLANASE	Xylanase (from Thermomyces lanuginosis)	37278-89 -0	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
XYLITOL	XYLITOL	87-99-0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 14%.	
XYLOBIOSE	XYLOBIOSE	6860-47- 5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
XYLOGLUCAN	XYLOGLUCAN	37294-28 -3	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
XYLOSE	XYLOSE	58-86-6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ZEA MAYS (CORN) COB MEAL	ZEA MAYS (CORN) COB MEAL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
ZEA MAYS (CORN) COB POWDER	ZEA MAYS (CORN) COB POWDER	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 10%.	
ZEA MAYS (CORN) GERM OIL	ZEA MAYS (CORN) GERM OIL	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 25%.	
ZEA MAYS (CORN) GLUTEN PROTEIN	ZEA MAYS (CORN) GLUTEN PROTEIN	66071-96 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	
ZEA MAYS (CORN) KERNEL EXTRACT	ZEA MAYS (CORN) KERNEL EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
ZEA MAYS (CORN) KERNEL MEAL	ZEA MAYS (CORN) KERNEL MEAL	66071-96 -3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 3%.	
ZEA MAYS (CORN) OIL	ZEA MAYS (CORN) OIL	8001-30- 7	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 14%.	
ZEA MAYS (CORN) SILK EXTRACT	ZEA MAYS (CORN) SILK EXTRACT	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.1%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ZEOLITE	CLAYS AND MINERALS	1318-02-1	Products containing clays and minerals must meet international heavy metal limits of: Lead: 10 ppm, Arsenic: 3 ppm, Cadmium: 3 ppm, Mercury: 1 ppm, Antimony: 5 ppm, Chromium: 100 ppm, and Nickel: 200 ppm; in the finished product.	
ZEOLITE	Silica, amorphous; silicate; borosilicate	1318-02-1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ZEOLITE	Silica, amorphous; silicate; borosilicate	1318-02-1	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ZINC	ZINC	7440-66- 6	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
		557-34-6	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
		557-34-6	Per COSING, the maximum concentration of zinc in ready for use preparation is 1%	
ZINC ADENOSINE TRIPHOSPHATE	ZINC ADENOSINE TRIPHOSPHATE	6602-83- 1	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC ASCORBATE	ZINC ASCORBATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC ASCORBATE	ZINC ASCORBATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC ASPARTATE	ZINC ASPARTATE	36393-20 -1	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC ASPARTATE	ZINC ASPARTATE	36393-20 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC BOROSILICATE	Silica, amorphous; silicate; borosilicate	37341-47 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ZINC BOROSILICATE	Silica, amorphous; silicate; borosilicate	37341-47 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ZINC CARBONATE	ZINC CARBONATE	3486-35- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC CARBONATE HYDROXIDE	ZINC CARBONATE HYDROXIDE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC CHLORIDE	zinc chloride	7646-85- 7	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC CHLORIDE	ZINC CHLORIDE	7646-85- 7	Per COSING, the maximum concentration of zinc in ready for use preparation is 1%	
ZINC CHLORIDE	ZINC CHLORIDE	7646-85- 7	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of 0.47% when formulated to be non-irritating.	
ZINC CITRATE	ZINC CITRATE	546-46-3	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ZINC CITRATE	ZINC CITRATE	546-46-3	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2% in rinseoff products and 0.05% in leaveon products.	
ZINC CITRATE	ZINC CITRATE TRIHYDRATE	546-46-3	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC CITRATE TRIHYDRATE	ZINC CITRATE	546-46-3	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC CITRATE TRIHYDRATE	ZINC CITRATE TRIHYDRATE	546-46-3	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC COCETH SULFATE	ZINC COCETH SULFATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC COCETH SULFATE	ZINC COCETH SULFATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ZINC COCO-SULFATE	ZINC COCOSULFATE	22397-58 -6	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC CYSTEINATE	ZINC CYSTEINATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC CYSTEINATE	ZINC CYSTEINATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC DIBUTYLDITHIOCARBAMATE	ZINC DIBUTYLDITHIOCARBAMA TE	136-23-2	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC FORMALDEHYDE SULFOXYLATE	ZINC FORMALDEHYDE SULFOXYLATE	24887-06 -7	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC GLUCOHEPTONATE	ZINC GLUCOHEPTONATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC GLUCONATE	ZINC GLUCONATE	4468-02- 4	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC GLUCONATE	ZINC GLUCONATE	4468-02- 4	Per COSING, the maximum concentration of zinc in ready for use preparation is 1%	
ZINC GLUCONATE	ZINC GLUCONATE	4468-02- 4	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 3% when formulated to be non-irritating.	
ZINC GLUTAMATE	GLUTAMIC ACID, ZINC SALT, DL	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC GLUTAMATE	ZINC GLUTAMATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC GLUTAMATE	ZINC GLUTAMATE	0	Per COSING, the maximum concentration of zinc in ready for use preparation is 1%	
ZINC GLUTAMATE	ZINC GLUTAMATE	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC GLYCINATE	ZINC GLYCINATE	14281-83 -5	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC GLYCINATE	ZINC GLYCINATE	14281-83 -5	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC HYDROLYZED COLLAGEN	ZINC HYDROLYZED COLLAGEN	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC HYDROLYZED COLLAGEN	ZINC HYDROLYZED COLLAGEN	0	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use.	
ZINC HYDROXIDE	ZINC HYDROXIDE	20427-58 -1	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC LACTATE	ZINC LACTATE	16039-53 -5	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC LACTATE	ZINC LACTATE	16039-53 -5	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1.8% when formulated to be non-irritating.	
ZINC LAURATE	ZINC LAURATE	2452-01- 9	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC MAGNESIUM ASPARTATE	ZINC MAGNESIUM ASPARTATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC MYRISTATE	ZINC MYRISTATE	16260-27 -8	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 20%.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ZINC NEODECANOATE	ZINC NEODECANOATE	27253-29 -8	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC OXIDE	ZINC	1314-13-2	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
ZINC OXIDE	ZINC OXIDE	1314-13-2	Per the U.S. FDA., zinc oxide shall conform to the following specifications and shall be free from impurities other than those named to the extent that such impurities may be avoided by good manufacturing practice: Zinc oxide (as ZnO), not less than 99 percent. Loss on ignition at 800 °C, not more than 1 percent. Cadmium (as Cd), not more than 15 parts per million. Mercury (as Hg), not more than 1 part per million. Arsenic (as As), not more than 3 parts per million. Lead (as Pb), not more than 20 parts per million.	
Zinc Oxide(Sunscreen Grade)	ZINC	1314-13-2	EWG does not allow this ingredient in powders or sprays because the Association of Occupational and Environmental Clinics (AOEC) has classified this substance as an asthmagen.	
Zinc Oxide(Sunscreen Grade)	zinc oxide	1314-13-2	The European Commission restricts this ingredient to a maximum concentration of 25% as a UV filter. In the case of combined use with Zinc Oxide (nano), the sum shall not exceed the limit of 25%. Additionally, this ingredient may not be used in applications that may lead to exposure of the enduser's lungs by inhalation. Only nanomaterials having the following characteristics are allowed: — purity $\geq$ 96%, with wurtzite crystalline structure and physical appearance as clusters that are rodlike, starlike and/or isometric shapes, with impurities consisting only of carbon dioxide and water, whilst any other impurities are less than 1% in total, — median diameter of the particle number size distribution D50 (50% of the number below this diameter) > 30 nm and D1 (1% below this size) > 20 nm, — water solubility < 50 mg/L, —uncoated, or coated with triethoxycaprylylsilane, dimethicone, dimethoxydiphenylsilanetriethoxycaprylylsilane.	
Zinc Oxide(Sunscreen Grade)	zinc oxide	1314-13-2	Product must not be inhalable. (designated as sensitizing asthmagen by the Association of Occupational and Environmental Clinics)	
Zinc Oxide(Sunscreen Grade)	ZINC OXIDE (sunscreen grade > 100nm)	1314-13-2	Per the U.S. FDA., zinc oxide shall conform to the following specifications and shall be free from impurities other than those named to the extent that such impurities may be avoided by good manufacturing practice: Zinc oxide (as ZnO), not less than 99 percent. Loss on ignition at 800 °C, not more than 1 percent. Cadmium (as Cd), not more than 15 parts per million. Mercury (as Hg), not more than 1 part per million. Arsenic (as As), not more than 3 parts per million. Lead (as Pb), not more than 20 parts per million.	
Zinc Oxide(Sunscreen Grade)	ZINC OXIDE (sunscreen grade > 100nm)	1314-13-2	Per COSING, prohibited for use in applications that may lead to exposure of the end-user's lungs by inhalation.	
ZINC PCA	ZINC PCA	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC PENTADECENE TRICARBOXYLATE	ZINC PENTADECENE TRICARBOXYLATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ZINC PEROXIDE	zinc peroxide	1314-22-3	The European Commission restricts this ingredient to a maximum concentration of 12% of H2O2 (40 volumes, present or released) in hair products, 4% of H2O2 (present or released) in skin products, 2% of H2O2 (present or released) in oral products, 0.1% of H2O2 (present or released) in oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products, and greater than 0.1% but less than or equal to 6% of H2O2 (present or released) in tooth whitening or bleaching products. Additionally, the products with this ingredient can only be sold to dental practitioners, and for each cycle of use, the first use must be done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards, the product may be provided to the consumer to complete the cycle of use. The product cannot to be used on a person under 18 years of age. Lastly, for products intended for eyelashes, the concentration cannot exceed 2% of H2O2, present or released, and is permitted for professional use only. Required Warning: The European Commission requires the following on the label/package of hair products: 'Wear suitable gloves'; 'Contains hydrogen peroxide'; 'Avoid contact with them'. For skin and nail hardening products, the following warnings are required: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For tooth whitening or bleaching products: 'Contains hydrogen peroxide'; 'Avoid contact with them'. For contant of H 2O 2 present or released indicated in percentage; 'Not to be used on a person under 18 years of age'; 'To be only sold to dental practitioners'; 'For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use'. Lastly, the following must be labled on products: 'For professional use only'; 'Avoid contact with them'; 'Contains hydrogen peroxide'; 'Avoid contact with eyes'; 'Finse eyes immediatel	
ZINC PEROXIDE	ZINC PEROXIDE	1314-22-3	According to Section 13 of Canada's Cosmetic Regulations the pH of oral products containing this ingredient must be greater than or equal to 4.0. Additionally, if an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit a clinical study to demonstrate the salivary peroxide levels do not exceed 3% during the use of the product as per the directions of use.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ZINC PEROXIDE	ZINCPEROXIDE	1314-22-3	Health Canada requires manufacturers of oral products containing peroxides or peroxidegenerating compounds to submit the following information: data on the pH of the cosmetic product, when it is applied to the tooth or teeth, i.e. that the pH is greater than or equal to 4.0; product labelling demonstrating that all cautionary statement requirements have been met. If an oral cosmetic contains more than 3% hydrogen peroxide (or equivalent), notifiers must submit safety evidence that the product does not cause the saliva or soft tissue of the oral cavity to exceed 3% hydrogen peroxide, and is safe when used as directed. Required Warning: Health Canada requires the following warning text on the package/label of oral products: 'If irritation (such as redness, swelling, soreness) of the gums or the mouth occurs, discontinue use and consult a dentist'; 'Products containing peroxides are not recommended for use by children under 12 years of age'; 'Use for periods of longer than 14 days is to be only under the supervision of a dentist'; 'Avoid swallowing the cosmetic or part thereof'; 'Avoid contact of the product with the eye'; 'Avoid direct contact of the active surface of the tooth whitening product with the gums and/or salivary flow.'	
ZINC PHENOLSULFONATE	ZINC PHENOLSULFONATE	127-82-2	The European Commission restricts this ingredient to a maximum concentration of 6% (as % of anhydrous substance) in deodorants, antiperspirants, and astringent lotions. Required Warning: The European Commission requires the following warning text on the product label/package: 'Avoid contact with eyes'	
ZINC PHENOLSULFONATE	ZINC PHENOLSULFONATE	127-82-2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 4%.	
ZINC PHENOLSULFONATE	ZINCPPHENOLSULFONATE	127-82-2	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 2% in leaveon products.	
ZINC PICOLINATE	ZINC PICOLINATE	17949-65 -4	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC RICINOLEATE	ZINC RICINOLEATE	13040-19 -2	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 2%.	
ZINC SALICYLATE	ZINC SALICYLATE	16283-36- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC SALICYLATE	ZINC SALICYLATE ZINC SALICYLATE	16283-36- 6	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC SILICATE	Silica, amorphous; silicate; borosilicate	13597-65 -4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ZINC SILICATE	Silica, amorphous; silicate; borosilicate	13597-65 -4	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ZINC SULFATE	ZINC SULFATE	7733-02- 0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC SULFATE	ZINC SULFATE	7733-02- 0	The Cosmetic Ingredient Review found this substance was safe as used up to a concentration of 1% and when formulated to be non-irritating.	
ZINC SULFATE	ZINC SULFATE, MONOHYDRATE	7733-02- 0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC SULFATE	ZINC SULFATE,	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc)	
MONORIDRATE	MONORIDRATE		maximum concentration of 1% (as zinc).	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ZINC SULFATE, MONOHYDRATE	ZINC SULFATE, MONOHYDRATE	7446-19- 7	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC SULFIDE	Luminescent zinc sulfide	1314-98-3	The U.S. Food and Drug Administration restricts the copper, lead, arsenic, mercury, and cadmium content of this ingredient to maximum concentrations of 5 ppm, 20 ppm, 3 ppm, 1 ppm and 15 ppm, respectively.	
ZINC THIOSALICYLATE	ZINC THIOSALICYLATE	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC UNDECENOATE	ZINC UNDECENOATE	557-08-4	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINC UNDECYLENOYL HYDROLYZED WHEAT PROTEIN	ZINC UNDECYLENOYL HYDROLYZED WHEAT PROTEIN	0	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC(II) NITRATE	ZINC(II) NITRATE	7779-88- 6	The European Commission restricts this ingredient to a maximum concentration of 1% (as zinc).	
ZINC(II) NITRATE	ZINC(II) NITRATE	7779-88- 6	The Cosmetic Ingredient Review found this substance was safe as used at the reported concentrations of use when formulated to be non-irritating.	
ZINGIBER AROMATICUS EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water	Х
ZINGIBER CASSUMUNAR EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ZINGIBER CASSUMUNAR ROOT EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER CASSUMUNAR ROOT OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ZINGIBER CASSUMUNAR ROOT POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER OFFICINALE (GINGER)	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER OFFICINALE (GINGER) EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER OFFICINALE (GINGER) FLOWER WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER OFFICINALE (GINGER) OIL	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER OFFICINALE (GINGER) ROOT EXTRACT	Geraniol, contact allergen for eczema products	84696-15 -1	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ZINGIBER OFFICINALE (GINGER) ROOT EXTRACT	ZINGIBER OFFICINALE RHIZOME EXTRACT	84696-15 -1	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 0.22% when formulated to be non-sensitizing.	
ZINGIBER OFFICINALE (GINGER) ROOT OIL	Geraniol, contact allergen for eczema products	8007-08- 7	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER OFFICINALE (GINGER) ROOT POWDER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER OFFICINALE (GINGER) TEA	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER OFFICINALE (GINGER) WATER	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	Х
ZINGIBER OFFICINALE RHIZOME EXTRACT	ZINGIBER OFFICINALE RHIZOME EXTRACT	84696-15 -1	The Cosmetic Ingredient Review has determined this ingredient to be safe as used up to a concentration of 0.22% when formulated to be non-sensitizing.	
ZINGIBER ZERUMBET EXTRACT	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZINGIBER ZERUMBET JUICE	Geraniol, contact allergen for eczema products	0	This ingredient contains Geraniol, which is a contact allergen. For eczema products the final product must contain fewer than 10 ppm of this contact allergen in leave-on products or fewer than 100 ppm in rinse-off products and products requiring dispersal in water.	X
ZIRCONIUM POWDER	Zirconium	7440-67- 7	Health Canada restricts the use of this ingredient to aluminum zirconium complexes and as zirconium lakes, salts and pigments of colouring agents only, and cannot be used in aerosol dispensers.	
ZIRCONIUM POWDER	Zirconium	7440-67- 7	The Japanese Ministry of Health, Labour and Welfare bans this ingredient from use in aerosol products.	
ZIRCONIUM(IV) SILICATE (1:1)	Silica, amorphous; silicate; borosilicate	14940-68 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ZIRCONIUM(IV) SILICATE (1:1)	Silica, amorphous; silicate; borosilicate	14940-68 -2	A 2019 CIR report lists the following heavy metal limits for silica: antimony (< 5 ppm), chromium (< 10 ppm), arsenic (< 3 ppm), lead (< 10 ppm), mercury (< 1 ppm), and cadmium (< 1ppm). Older CIR reports for varied silicate, borosilicate, and methicone substances suggest that similar restrictions should apply to these substances as well.	
ZONARIA TOURNEFORTII (ALGAE) EXTRACT	Algae and related substances	0	Based on a Cosmetic Ingredient Review safety assessment of brown algae derived ingredients, EWG restricts the amount of iodine in the final product to 1 ppm. Additionally, products formulated with this substance must meet international standards for heavy metal concentrations including, cadmium; 3 ppm, lead; 10 ppm, mercury; 1ppm, and arsenic; 3 ppm.	
ZYTEX	thymol	0	The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.5%.	
ZYTEX	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in rinseoff products.	

EWG's linked substance	Chemical name on the Verified List	CAS	Public explanation	2024 update
ZYTEX	thymol	0	The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon products.	