Preliminary Worksheet on Chemicals for Consideration in Green Procurement

Chemical	Concern	List	Products/Ingredients
1,2-Dichloroethane	RA	NTP	Adhesives, building supplies [¥]
1,2,3, Trichloropropane	RA	NTP	Chemical solvent [¥]
1,2,4-Trichlorobenzene	PBT	EPA	Degreasers, lubricants, solvents [†]
1,2,4,5-Tetrachlorobenzene	PBT	EPA	Intermediate to make pesticides [†]
1,3 Dichloropropene	RA	NTP	Pesticide [¥]
1,4 Dioxane	RA	NTP	Varnish stripper, by-product of surfactants [*]
1,4-Dichlorobenzene (para-			, , , , , , , , , , , , , , , , , , ,
dichlorobenzene)	RA	NTP	Urinal blocks, deodorizers [¥]
2,2 bis(Bromoethyl) 1,3			,
propanediol	RA	NTP	Flame retardant [¥]
2,3 Dibromo-1-propanol	RA	NTP	Polyurethane foam [¥]
2,3,7,8-Tetrachlorodibenzo-p-			v
dioxin	KHC	NTP	Chlorine-bleached paper products [¥]
2,4,5-Trichlorophenol	PBT	EPA	Fungicide, herbicide [†]
3-Chloro-2-methylpropene	RA	NTP	Pesticide [¥]
4-Bromophenyl phenyl ether	PBT	EPA	Former flame retardant [†]
			PAH, used to make dyes, plastics, pesticides,
Acenaphthene	PBT	EPA	wood preservatives (creosote, coal tar, roofing tar), auto exhaust [†]
			PAH, used to make dyes, plastics, pesticides,
			wood preservatives (creosote, coal tar, roofing
Acenaphthylene	PBT	EPA	tar), auto exhaust ^T
Acetaldehyde	KHC	NTP	Adhesives [¥]
Amitrole	RA	NTP	Pesticide [¥]
Arsenic compounds, Inorganic	KHC	NTP	Wood preservative, treated wood [*]
Asbestos	KHC	NTP	Roofing shingles, siding [*]
Benzene	KHC	NTP	Contaminant of solvents*
			PAH, used to make dyes, plastics, pesticides,
	DDT		wood preservatives (creosote, coal tar, roofing
Benzo (g,h,i) perylene	PBT	EPA	tar), auto exhaust [†]
Beryllium and beryllium	KUC	NTD	Call phanas
compounds	KHC	NTP	Cell phones [¥]
Bis (Chloromethyl) Ether,			
Technical Grade Chloromethyl Methyl Ether	KHC	NTP	Cleaning products [¥]
Bisphenol A	KIIC	EPA CAP	Bottles, food packaging ^Δ
Cadmium and cadmium		EPA,	Pigments, batteries, plastics, products
compounds	KHC, PBT	NTP	containing fly ash, stabilizer for PVC ^{¥†}
compounds	Idio, i bi	1111	containing by ash, stabilizer for 1 vo
Carbon tetrachloride	RA	NTP	Cleaning solvent, adhesive, adhesive remover*
Ceramic fibers	RA	NTP	Fiber board insulation [*]
Chloroprene	RA	NTP	Glues, adhesives [¥]
Chromium, hexavalent	KHC	NTP	Contaminant, possibly in leather [¥]
, , , , , , , , , , , , , , , , , , , ,			Road patching and paving material, roofing
Coal tar and pitches	KHC	NTP	material [‡]
Di(2-ethylhexyl) phthalate (DEHP)	RA	NTP	PVC building supplies, office supplies [¥]
, , , , , , , , , , , , , , , , , , , ,			Coal tar-based products, products containing
Dibenzofuran	PBT	EPA	fly ash, coke dust [†]
Dichloromethane (Methylene			
chloride)	RA	NTP	Graffiti removers, paint strippers, lubricants*
Diesel exhaust particulates	RA	NTP	Buses, trucks, power generators [¥]
Diethyl Sulfate	RA	NTP	Carbonless paper [¥]

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			Generated from the manufacture and
Dioxins and furans			incineration of chlorinated paper products,
(polychlorinated)	PBT	EPA	solvents, pesticides, plastics [†]
			Insecticide, wood preservative (not made in the
Endosulfan	PBT	EPA	U.S.) [†]
Ethylene dichloride (1,2			V
Dichloroethane)	RA	NTP	Adhesives, caulking [*]
Ethylene oxide	KHC	NTP	Hospital-grade sterilant, fungicide [¥]
			PAH, used to make dyes, plastics, pesticides,
			wood preservatives (creosote, coal tar, roofing
Fluorene	PBT	EPA	tar), auto exhaust ^T
Farmaldahda a.a.	DA	NTD	Carpet, tile, glues, adhesives, caulking, particle
Formaldehyde gas	RA	NTP	board, furniture*
Furan	RA	NTP	Wood preservative, asphalt and patching material, roofing patch, resins [¥]
Glass Wool	RA	NTP	Thermal, electrical and acoustical insulation*
Heptachlor; heptachlor epoxide	PBT	EPA	Banned pesticide [†]
rieptaciilor, rieptaciilor epoxide	FBI	EPA,	Banned pesticide, contaminant of products
Hexachlorobenzene	PBT, RA	NTP	containing chlorinated organics*†
Hexachlorobutadiene	PBT	EPA	Contaminant in the manufacture of rubber [†]
Hexachlorocyclohexane, gamma	1 51		Pesticide used to control lice and scabies in
(Lindane)	PBT	EPA	humans and animals [†]
(Ziridario)	1.2.		Tramario ana ariimaio
		EPA,	Artificial smoke, munitions, lubricants, by-
Hexachloroethane	PBT, RA	NTP	product of incineration of chlorinated products*†
Hexamethylphosphoramide	RA	NTP	Rodenticide [¥]
			Batteries, light bulbs, appliances, computers,
		EPA,	products containing fly ash, cell phones, other
Lead and lead compounds	PBT, RA	NTP	electronics, PVC (pigment/stabilizer) ^{¥†}
Lindane and other			Pesticide used to control lice and scabies in
hexachlorocyclohexane Isomers	RA	NTP	humans and animals [¥]
			Light bulbs, appliances, computers, products
Mercury	PBT	EPA	containing fly ash, thermometers, thermostats
Methoxychlor	PBT	EPA	Insecticide [†]
			Chemical solvent, paint stripper, printing inks,
Methylene Chloride	RA	NTP	automotive degreasing [¥]
Mineral oils (untreated and mildly	14110	NITE	¥
treated)	KHC	NTP	Lubricants [¥]
		ED4	Mathhalla duga lasthas sasata (1997)
Nanhthalana	DDT DA	EPA, NTP	Mothballs, dyes, leather goods, insecticides, wood preservatives, coal tar-based products*†
Naphthalene	PBT, RA		Wood preservatives, coartar-based products
Nickel (metallic) Nickel compounds	RA KHC	NTP NTP	Batteries [¥] Electroplated items [¥]
Nitromethane	RA	NTP	Chemical solvent [¥]
Nitropropane	RA	NTP	Solvent for inks, paints and varnishes*
Nitrosodimethylamine	RA	NTP	Control of nematodes [¥]
ranosounnennyiannie	11/4	INIF	Furniture, carpeting, computers, other electrical
PBDEs (octa, penta and deca)		EPA CAP	equipment ^{\(\Delta\)}
Pendimethalin	PBT	EPA	Herbicide (used on rights-of-way) [†]
- Chambanani	1 5 .		Fire retardant, used to make the fungicide
Pentachlorobenzene	PBT	EPA	pentachloronitrobenzene (PCNB) [†]
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			E
Dentachlerenitrehenzene	PBT	EPA	Fungicide (used as lawn chemical and to prevent slime in industrial water tanks) [†]
Pentachloronitrobenzene	PDI	EPA	,
Dentachlerenhanel	DDT	EPA	Wood preservative used on power line poles, railroad tracks, fences [†]
Pentachlorophenol	PBT	EPA	,
DEOC I DEOA			Fabrics, paper, cookware, electronics, floor polishes
PFOS and PFOA		EPA CAP	I
			PAH, used to make dyes, plastics, pesticides,
Dhananthasa	DDT	EDA	wood preservatives (creosote, coal tar, roofing
Phenanthrene	PBT	EPA	tar), auto exhaust [†]
			Brominated flame retardant banned in the U.S.
	D.4	NITE	in the 1970s. May still be in imported
Polybrominated biphenyls (PBBs)	RA	NTP	products.*
			Banned in the U.S. but may still be
		NTP,	contaminant of some manufacturing
Polychlorinated biphenyls (PCBs)	RA, PBT	EPA	processes.¥†
			PAH, used to make dyes, plastics, pesticides,
Polycyclic aromatic hydrocarbons		EPA,	wood preservatives (creosote, coal tar, roofing
(PAHs)	PBT, RA	NTP	tar), auto exhaust ^{¥†}
Propylene oxide	RA	NTP	Glues, adhesives, caulking [*]
			PAH, used to make dyes, plastics, pesticides,
			wood preservatives (creosote, coal tar, roofing
Pyrene	PBT	EPA	tar), auto exhaust [†]
Selenium sulfide	RA	NTP	Fungicide [¥]
Silica, Crystalline (respirable size)	KHC	NTP	Paint, primers, cleaning products [¥]
Tetrachloroethylene			Solvents (including dry cleaning), degreasers,
(Perchloroethylene)	RA	NTP	graffiti removers, paint strippers, lubricants*
Tetrafluoroethylene	RA	NTP	Used in the production of Teflon [*]
Toluene Diisocyanate	RA	NTP	Floor and wood finishes [¥]
			Solvents, degreasers, graffiti removers, paint
			strippers, lubricants, carpet and upholstery
Trichloroethylene	RA	NTP	cleaners [*]
Trifluralin	PBT	EPA	Herbicide (used on rights-of-way) [†]
Tris (2,3 Dibromopropyl)			
phosphate	RA	NTP	Flame retardant found in upholstery [¥]
Urethane	RA	NTP	Sealants [¥]
			Siding, piping, roofing, carpet, wall paper,
Vinyl chloride	KHC	NTP	shower curtains [¥]
Vinyl fluoride	RA	NTP	Wall, pipe and electrical covering [¥]

Legend:

KHC = Known Human Carcinogen, RA = Reasonably Anticipated to be a Human Carcinogen, PBT = Persistent Bio-accumulative Toxin

EPA = EPA Waste Minimization Priority, EPA CAP = EPA Chemical Action Plans, NTP = National Toxicology Program 11th Report

 \uparrow = from EPA Waste Minimization Priority Fact Sheet, Δ = from EPA Chemical Action Plan, \forall = from NTP Substance Profile and/or NTP Report on Carcinogens Background Document

This list was prepared for the consideration of the EO 4 Procurement Subcommittee by members of the EO4 Advisory Council.

Corrected 11/30/10