

MAY 29 2007

Technical Data Sheet

INVASAN® DP300R

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

83884-9

**Broad-spectrum antimicrobial agent for use in the manufacture of polymer/
plastic and textiles.**

Antimicrobial for textile treatment:

INVASAN DP300R can be used to control odor-causing and spoilage/deterioration micro-organisms on textile and textile fibers.

Antimicrobial for polymer/plastic treatment:

INVASAN DP 300R can be added to polymers / plastics to protect the material against direct or indirect effects by microorganisms which could change the properties, appearance or odor of the material.

EPA Registration: 83884-

Directions for Use:

INVASAN DP300R is currently registered as a manufacturing use product (MUP) with the U.S. EPA under FIFRA. All end-use pesticide products formulated with INVASAN DP 300R must be registered with the EPA under FIFRA prior to commercialization in the U.S. unless covered under the EPA rule 40 CFR 152.25(a) *Treated articles or substance*.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Use only under an agreement with Huntsman International LLC. INVASAN DP300R is intended for use as an additive into the following materials and substances as part of the manufacturing process in order to provide built-in antibacterial and antifungal activity in manufactured materials and finished products. INVASAN DP300R inhibits the growth of non-health related microorganisms such as bacteria, mold, mildew, and fungus that may cause odor, stain, discoloration, unsightly texture, decay, or deterioration of physical properties of the material and finished product. Distributors of products containing the additive may not make claims of antimicrobial activity other than the protection of the product against the growth of bacteria, mold, mildew and fungi in or on the treated product. For further guidance on treated article label claims, please refer to 40 C.F.R. §152.25(a) and any additional guidance or policies issued by the U.S. Environmental Protection Agency.

Application:

1. Textiles and Fabrics:

Manufactured materials may be used in the following applications such that the finished product contains 0.10% to 1.0% by weight of the active ingredient. The additive may be incorporated directly into the fiber or as a finish for the fabric/product.

Types of Materials:

Plastics (including films, foams, molded parts, pellets, sheets), fibers/fabrics (including cellulosic and natural fibers, multi-fiber blends and synthetic blends with natural fibers) composed of: Acetate, Acrylic, Acrylonitrile butadiene styrene, Cellulose, Epoxy, Fluoropolymers, Latex, Nitrile copolymers, Nylon, Polychlorophene, Polyester, Polyethylene, Polypropylene, Polystyrene, Polyvinylchloride, Rayon, Rubber (natural & synthetic derivatives), Silicone, Urethane, and/or Vinyl and coating/finishes applied to such materials.

Features:

Bacteriostat for textile treatment:

INVASAN DP300R can be used to control odor-causing and spoilage/deterioration microorganisms on or in textiles and textile fibers.

Bacteriostat for polymer/plastic treatment:

INVASAN DP300R can be added to polymers / plastics to protect the material against direct or indirect effects by microorganisms which can cause deterioration of the physical properties, appearance or odor of the material.

Apparel trimmings and linings	Covers for table tops	Gowns (medical & consumer)
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INVASAN DP300R
 Broad Spectrum Bacteriostat

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Enriching lives through innovation

Aprons (food service, home)	Cubicle curtains	Hair brushes
Athletic Wear	Door and floor mats	Hosiery and socks
Awnings (Indoor and outdoor)	Dresses	Incontinence care products (diapers and underpads)
Bibs	Exercise equipment	Intimate Apparel (Underwear)
Blanket bags	Floor coverings	Janitorial brushes and brooms
Blankets Brushes	Food Services wipes (towels)	Linens (towels, sheets, pillowcases, mattress covers, etc.)
Carpets and Rugs	Furniture fabrics	Mattress and pillow ticking
Conveyor belts	Garment bags	Medical and Dental clothing
Covers for counter tops	Gloves (non-medical)	

1. Textiles and Fabrics (continued):

Mops	Shower curtains	Window curtain and draperies
Paper mulch	Silage wraps	ACCEPTED
Pet training pads, bedding or liners	Sporting team uniforms	with COMMENTS
Pillow and mattress stuffing	Sportswear	in EPA Letter Dated:
Quilt fabric	Sweatshirts/t-shirts	MAY 29 2007
Running apparel	Table clothes, napkins	
Service Uniforms	Tooth brush bristles	
Shoes, shoe inner soles and linings	Uniforms	
	Wall covering	
	Wet suits	

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2. Polymers and plastics

Manufactured materials may be used in the following applications such that the finished product contains 0.15% to 1.0% by weight of the active ingredient. The additive may be incorporated directly into the polymer or as a coating on the final product.

Adhesives	Floor coverings (wax, sealers, and coatings)	Mops & mop components
Agricultural & mulch films	Flooring (concrete, epoxy, component fibers, & coatings of urethane, epoxy etc.)	Pallets
Combs & brushes	Floral containers	Paper and paperboard products
Containers for cosmetics	Food distribution carts	Personnel cards (credit cards, driver's license, etc.)
Conveyor belts	Food service trays	Playground equipment & furniture
Counter and Table tops	Furniture coverings	Portable toilets
Currency	Furniture foam cushions	Shoe inner soles
Cushions	Garbage bags and trash can liners	Storage containers (for clothing, instruments, electronics, food & condiments)
Cutting boards	Garbage cans	Tile (wall & floor) & grout
Food service trays	Grease traps	Toilet seats
Furniture coverings	Medical & dental trays	Toilets and urinals
Furniture foam cushions	Menu materials	Tooth brush handles
Garbage bags and trash can liners	Metallic coatings for plumbing fixtures, door handles, serving utensils, bed pans, and floor drains	Toys
Garbage cans	Mop buckets	Tray liners
Grease traps		Waste bins
Medical & dental trays		Wheel for medical carts
& Floor mats		X-ray holders
Exercise & gym equipment		

Chemical and Physical Properties:

Chemical name:	2,4,4'- trichloro-2'-hydroxy-diphenyl-ether
Generic name:	triclosan
CAS number:	3380-34-5
Molecular weight:	289.5
Melting point:	57±1°C

Solubility:

INVASAN DP300R is sparingly soluble in water, moderately soluble in dilute alkaline solutions, and readily soluble in most organic solvents. Clear concentrated solutions can be prepared with water-miscible solvents or surfactants.

HUNTSMAN

INVASAN[®] DP 300R

Bacteriostat

For Formulating Use Only

ACTIVE INGREDIENT

5-chloro-2-(2,4-dichlorophenoxy) phenol..... 99.0%

OTHER INGREDIENTS 1.0%

100.0%

EPA Reg. No. 83884-

EPA Est. 083884-NC-001

Keep Out of Reach of Children

CAUTION

FIRST AID

If inhaled	<ul style="list-style-type: none"> • Move person to fresh air • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at (800) 858-7378 for general or medical information.

Net Weight: 55 Pounds (25Kg)

PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals

CAUTION.

CAUTION: Harmful if inhaled. Do not breathe dust. Wear a pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Health and Safety. Harmful if swallowed, or absorbed through the skin. Causes moderate eye irritation. Remove contaminated clothing. Wash thoroughly with soap and water after handling.

Environmental Hazards:

This product is toxic to fish and aquatic vertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, rivers, oceans, or public waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing before discharge. Do not discharge effluent containing this product into sewerage systems without previously notifying the local sewage treatment authority. For guidance contact your State Water Board or Office of the EPA.

See additional precautionary statements and directions for use on the side panel.

INVASAN DP 300R[®] trademark of Huntsman International, LLC
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Important: Read the entire directions for use before using this product.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

INVASAN DP 300R is a bacteriostatic agent for processing or manufacturing of paper products. Formulators using this product must obtain appropriate registrations to support their products. Not for Diaper Laundry applications.

TSMAN

SAN[®] DP 300R

Bacteriostat

Formulating Use Only

oxy) phenol.....99.0%
.....1.0%
.....100.0%

EPA Est. 083884-NC-001

t of Reach of Children

CAUTION

FIRST AID

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e.

oison control center or doctor for treatment advice.

poison control center or doctor immediately for
nt advice.

person sip a glass of water if able to swallow.

induce vomiting unless told to do so by the poison
center or doctor.

give anything by mouth to an unconscious person

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minutes.

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3.

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Salt Lake City