

# HUNTSMAN

## INVASAN® DP 300 TEX

### ACTIVE INGREDIENT

5-chloro-2-(2,4-dichlorophenoxy) phenol.....99%

OTHER INGREDIENTS .....1% Total

100% ----- 100%

EPA Reg. No. 83884-

EPA Est. 083884-NC-001

Keep Out of Reach of Children

### CAUTION

#### FIRST AID

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

#### 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.

INVASAN DP 300 Tex® trademark of Huntsman International, LLC  
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Net Weight: 55 Pounds (25kg)

### PRECAUTIONARY STATEMENTS Hazard to Humans and Domestic Animals CAUTION.

**CAUTION:** Harmful if inhaled. Do not breathe dust, vapor or spray mist. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administrator and the National Institute for Occupational Health and Safety. Harmful if swallowed, or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Wear chemical resistant gloves and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### Environmental Hazards:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, 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 prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**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 300 Tex is an end-use bacteriostatic agent for the manufacture of polymer/plastic and textile products only. Not for Diaper Laundry applications

Please refer to the Technical Bulletin for information concerning uses.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal

**Pesticide Storage:** Store in a cool, dry place. *Store below 130°F.*

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty drums by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of fiber drum in a sanitary landfill or by incineration, if allowed by state and local authorities. If burned, stay out of smoke. Drum can not be reused, dispose of in same manner.

### LIMITED WARRANTY AND DISCLAIMER

It is the manufacturer's intention that this product is to be used in accordance with the Directions for Use as stated on this label. The use of this product being beyond control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such use or the results to be obtained if not used in accordance with printed directions and established safe practice. To the fullest extent permitted by law, the buyer's exclusive remedy and manufacturer's or seller's exclusive liability for any and all claims, losses, damages or injuries resulting from the use or handling of this product, shall be limited, at the manufacturer's option, to replacement of, or the repayment of the purchase price for, the quantity of product with respect to which damages are claimed.

Huntsman International, LLC  
500 Huntsman Way  
Salt Lake City, 84108

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
MAY 9 2007

U.S. Environmental Protection Agency  
Office of Pesticide Programs  
Registration Division  
4800 River Road  
Shawnee, KS 66201  
83884-10

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# HUNTSMAN

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Huntsman International, LLC.  
Textile Effects

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 9 2007

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

## INVASAN<sup>®</sup> DP 300 TEX

~~(Currently EPA Reg. 70404-5)~~

83884-10

delete

### Broad-spectrum bacteriostat for use in the manufacture of polymer / plastic and textile products.

Invasan DP 300 TEX is an end-use (EP) bacteriostatic agent for the manufacture of polymer / plastic and textile products. Invasan DP 300 TEX is effective against non-health related organisms which contribute to the deterioration, discoloration and production of unpleasant odors in polymeric materials.

#### DIRECTIONS FOR USE

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 DP 300 TEX 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 DP 300 TEX 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.

#### TYPES OF MATERIALS:

Plastics (including films, foams, molded parts, pellets, sheets), fibers/fabrics (including multi-fiber blends, natural fibers 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, or Vinyl and coating/finishes applied to such materials.

cellulosic

#### Features

##### Bacteriostat for textile treatment:

Invasan DP 300 TEX can be used to control odor-causing and spoilage/deterioration microorganisms on or in textiles and textile fibers.

##### Bacteriostat for polymer/plastic treatment:

Invasan DP 300 TEX 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.

### APPLICATIONS

#### 1. Textiles and Fabrics:

Manufactured materials may be used in the following applications such that the finished product contains 0.10% to 2.0% by weight of the active ingredient, except where noted. The additive may be incorporated directly into the fiber or as a finish for the fabric/product.

- Apparel trimmings and linings
- Aprons (food service, home)
- Athletic Wear
- Awnings (Indoor and outdoor)
- Bibs
- Blanket bags
- Blankets
- Brushes
- Carpets and Rugs
- Conveyor belts
- Covers for counter tops
- Covers for table tops
- Cubicle curtains
- Door and floor mats
- Dresses
- Exercise equipment
- Floor coverings
- Food Services wipes (towels)
- Furniture fabrics
- Garment bags
- Gloves (non-medical)
- Gowns (medical & consumer)
- Hair brushes
- Hosiery and socks
- \*Incontinence care products (diapers and underpads)

- Intimate Apparel (Underwear)
- Janitorial brushes and brooms
- Linens (towels, sheets, pillowcases, mattress covers, etc.)
- Mattress and pillow ticking
- Medical and Dental clothing
- Mops
- Paper mulch
- Pillow and mattress stuffing
- Quilt fabric
- Running apparel
- Service Uniforms
- Shoes, shoe inner soles and linings
- Shower curtains
- Silage wraps
- Sporting team uniforms
- Sportswear
- Sweatshirts/t-shirts
- Table clothes, napkins
- Tooth brush bristles
- Uniforms
- Wall covering
- Wet suits
- Window curtain and draperies

\*Use rates of 0.015% to 2.0% for odor control may be used

#### 2. Polymers and plastics

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 polymer or as a coating on the final product.

- Adhesives
- Agricultural & mulch films
- Combs & brushes
- Containers for cosmetics
- Conveyor belts
- Counter and Table tops
- Currency
- Cushions
- Cutting boards
- Door & Floor mats
- Exercise & gym equipment

- Floor coverings (wax, sealers, and coatings)
- Flooring (concrete, epoxy, component fibers, & coatings of urethane, epoxy etc.)
- Floral containers
- Food distribution carts
- Food service trays
- Furniture coverings
- Furniture foam cushions
- Garbage bags and trash can liners
- Garbage cans

ACCEPTED WITH COMMENTS in EPA Letter Dated:

MAY 9 2007

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

83884-10

Grease traps  
 Medical & dental trays  
 Menu materials  
 Metallic coatings for plumbing fixtures, door handles, serving utensils, bed pans, and floor drains  
 Mop buckets  
 Mops & mop components  
 Pallets  
 Paper and paperboard products  
 Personnel cards (credit cards, driver's license, etc.)  
 Playground equipment & furniture  
 Portable toilets

Sponges (Cellulose)  
 Shoe inner soles  
 Storage containers (for clothing, instruments, electronics, food & condiments)  
 Tile (wall & floor) & grout  
 Toilet seats  
 Toilets and urinals  
 Tooth brush handles  
 Toys  
 Tray liners  
 Waste bins  
 Wheel for medical carts  
 X-ray holders

**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  
 Odor: Slightly, faintly aromatic  
 Appearance: Whitish fine crystalline powder  
 Purity: 99% minimum  
 Ash content: 0.1% maximum  
 Bulk Density: 0.55 - 0.61 kg/l  
 Specific Gravity: 1.58±0.03 g/cm<sup>3</sup>

ACCOMPLISHED  
 with...  
 in E.P. Holder Dated:  
 MAY 9 2007  
 83884-10

**Solubility:**  
 Invasan DP 300 TEX 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.

**Thermal Stability:**  
 Invasan DP 300 TEX does not decompose under normal storage conditions. It shows good stability when heated at 200°C for up to 2 hours. Differential scanning calorimetry studies have shown no rapid decomposition of the powder at temperatures below 300°C.

**Light stability:**  
 In powder form, Invasan DP 300 TEX is highly stable to intense radiation, but solutions may show instabilities when exposed to intense UV-light radiation.

**Volatility:**  
 The vapor pressure of Invasan DP 300 TEX is 4 x 10<sup>-6</sup> mm Hg at 20°C and 2 x 10<sup>-2</sup> mm Hg at 100°C.

**Conditions of Sale and Warranty**

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness, or other unintended consequences may result because of such factors as presence of other materials, or the manner of use or application all of which are beyond the control of Huntsman International, LLC. ("Huntsman") or the Seller. All such risks shall be assumed by the Buyer.

Huntsman warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above.