Technical Data Sheet

INVASAN® DP300R

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.

| Apparel trimmings and linings | Covers for table tops | Gowns (medical & consumer) |

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, Polychloroprene, Polyester, Polyethylene, Polypropylene, Polyurethane, 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.
**Chemical and Physical Properties:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Chemical name</td>
<td>2,4,4'-trichloro-2',4'-hydroxy-diphenyl-ether</td>
</tr>
<tr>
<td>Generic name</td>
<td>triclosan</td>
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<tr>
<td>CAS number</td>
<td>3380-34-5</td>
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<tr>
<td>Molecular weight</td>
<td>289.5</td>
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<tr>
<td>Melting point</td>
<td>57±1°C</td>
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**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%
Total ................................................................. 100.0%

EPA Reg. No. 83884- EPA Est. 083884-NC-001

Keep Out of Reach of Children

CAUTION

FIRST AID

If inhaled
- 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
- 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
- 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
- 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.

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 Administrator and the National Institute for Occupational Health and Safety. Harmful if swallowed, or absorbed through the skin. 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, 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. Do not discharge effluent containing this product into drainage 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
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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 or for a use other than that for which it is registered.

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

SAN® DP 300R

Bacteriostat

Residential Use Only

noxy) phenol.................. 99.0%
.......................... 1.0%
100.0%

EPA Est. 063884-NC-001

t of Reach of Children

CAUTION

FIRST AID

Person to fresh air

In case of contact,

Flush眼睛 slowly and gently with water for

minutes.

If contaminated clothing,
skin immediately with plenty of water for 15-20

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