Ciba

Irgaguard® B1000

Bacteriostat

ACTIVE INGREDIENT:
5-chloro-2-(2,4-dichlorophenoxy)-phenol 99.0%
INERT INGREDIENTS........................... 1.0%
Total: 100.0%

EPA Reg. No. 70404-5 EPA Est. 70404-DEU-001
EPA Est. # 70404-NC-001, EPA Est.#70404-AL-002

Keep Out of Reach of Children

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

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Net Weight LBS Kg

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.

USE DIRECTIONS: Irgaguard B1000 is an end-use (EP) bacteriostatic agent for the manufacture of polymer/plastic and textile products only. Not for Diaper Laundry Application.

Please refer to the Technical Bulletin for information concerning uses.

STORAGE AND DISPOSAL
Store below 130°F. Do not contaminate water, food or feed by storage or disposal. Wastes resulting from use of this product may be disposed of on site or at an approved waste facility. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration by state and local authorities. If burned stay out of smoke. Drum cannot be reused, dispose of in same manner.

For minor spills, shovel into an approved disposal container, vacuum contaminated areas. Avoid creating dusty conditions. Take special precaution to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call 1-800-873-1138 day or night.

24-Hr Emergency Phone: 800-873-1138

Precautionary Statements
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Do not breath dust, vapor or spay mist. Wear a mask or a pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. Harmful if swallowed or absorbed through 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, 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.

FIRST AID:
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 further treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact 1-800-873-1138 for emergency medical treatment.
IRGAGUARD® B 1000

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

IRGAGUARD B 1000 is an end-use (EP) bacteriostatic agent for the manufacture of polymer / plastic and textile products. IRGAGUARD B 1000 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 Ciba Specialty Chemicals Corporation. Irgaguard B 1000 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. Irgaguard B 1000 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 multifiber blends, natural fibers and synthetic blends with natural fibers) composed of: Acetate, Acrylic, Acrylonitrile butadiene styrene, Epoxy, Fluoropolymers, Latex, Nitrile copolymers, Nylon, Polychloroprene, Polyester, Polyethylene, Polypropylene, Polyethylene, Polyvinychloride, Rayon, Rubber (natural & synthetic derivatives), Silicones, & Vinyl and coating/finishes applied to such materials.
Features

Bacteriostat for textile treatment:
IRGAGUARD B 1000 can be used to control odor-causing and spoilage/deterioration microorganisms on or in textiles and textile fibers.

Bacteriostat for polymer/plastic treatment:
IRGAGUARD B 1000 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 | Intimate Apparel (Underwear) |
| Aprons (food service, home) | Janitorial brushes and brooms |
| Athletic Wear | Linens (towels, sheets, pillowcases, mattress covers, etc.) |
| Awnings (Indoor and outdoor) | Mattress and pillow ticking |
| Bibs | Medical and Dental clothing |
| Blanket bags | Mops |
| Blankets | Paper mulch |
| Brushes | Pillow and mattress stuffing |
| Carpets and Rugs | Quilt fabric |
| Conveyor belts | Running apparel |
| Covers for counter tops | Service uniforms |
| Covers for table tops | Shoes, shoe inner soles and linings |
| Cubicle curtains | Shower curtains |
| Door and floor mats | Silage wraps |
| Dresses | Sports uniforms |
| Exercise equipment | Sporting team uniforms |
| Floor coverings | Sportswear |
| Food Services wipes (towels) | Sweatshirts/t-shirts |
| Furniture fabrics | Table clothes, t-shirts |
| Garment bags | Toothbrush bristles |
| Gloves (non-medical) | Uniforms |
| Gowns (medical & consumer) | Wall covering |
| Hair brushes | Wet suits |
| Hosiery and socks | Window curtains and draperies |
| *Incontinence care products (diapers and underpads) |

*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 | Containers for cosmetics |
| Agricultural & mulch films | Conveyor belts |
| Combs & brushes | Counter and Table tops |
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/cm³

Solubility:
IRGAGUARD B 1000 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:
IRGAGUARD B 1000 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, IRGAGUARD B 1000 is highly stable to intense radiation, but solutions may show instabilities when exposed to intense UV-light radiation.

Volatile:
The vapor pressure of IRGAGUARD B 1000 is 4 x 10⁻⁶ mm Hg at 20°C and 2 x 10⁻² mm Hg at 100°C.

Conditions of Sale and Warranty