



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.

Irgaguard® B1000 Trademarks of
Ciba Specialty Chemicals Corporation
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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.

Ciba Specialty Chemicals Corporation
540 White Plains Rd., Tarrytown, NY 10591
24-Hr Emergency Phone: 800-873-1138

ACCEPTED
with COMMENTS
Letter Dated:

APR 12 2006

Use of the above as Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

70404-5

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
for 15-20 minutes. 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.

282
982

376



Ciba Specialty Chemicals Corporation
Plastic Additives

IRGAGUARD[®] B 1000

EPA Reg. 70404-5

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:

cellulosic

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, Epoxy, Fluoropolymers, Latex, Nitrile copolymers, Nylon, Polychlorophene, Polyester, Polyethylene, Polypropylene, Polystyrene, Polyvinylchloride, Rayon, Rubber (natural & synthetic derivatives), Silicone, ~~PPG~~ & Vinyl and coating/finishes applied to such materials.

RECEIVED
with COMMENTS
m EPA

APR 12 2006

Under the Federal
Pesticide, and
amended, of the
registered under
70404-5

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
- 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)

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U.S. Environmental Protection Agency
Federal Insecticide,
Fungicide, and Rodenticide Act as
Amended
Registration No.
70404-5

- 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 *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	Mop buckets
Cushions	Mops & mop components
Cutting boards	Pallets
Door & Floor mats	Paper and paperboard products
Exercise & gym equipment	Personnel cards (credit cards, driver's license, etc.)
Floor coverings (wax, sealers, and coatings)	Playground equipment & furniture
Flooring (concrete, epoxy, component fibers, & coatings of urethane, epoxy etc.)	Portable toilets
Floral containers	Sponges (Cellulose)
Food distribution carts	Shoe inner soles
Food service trays	Storage containers (for clothing, instruments, electronics, food & condiments)
Furniture coverings	Tile (wall & floor) & grout
Furniture foam cushions	Toilet seats
Garbage bags and trash can liners	Toilets and urinals
Garbage cans	Tooth brush handles
Grease traps	Toys
Medical & dental trays	Tray liners
Menu materials	Waste bins
Metallic coatings for plumbing fixtures, door handles, serving utensils, bed pans, and floor drains	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 ³

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.

Volatility:

The vapor pressure of IRGAGUARD B 1000 is 4×10^{-6} mm Hg at 20°C and 2×10^{-2} mm Hg at 100°C.

Conditions of Sale and Warranty

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