

40810-21

9-12-2003

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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SEP 12 2003

Ciba Specialty Chemicals Corporation  
540 White Plains Road  
Tarrytown, N. Y. 10591

Attention: Naeem Mady, Head  
Regulatory Affairs

Subject: Irgaguard B4000  
EPA Registration No.40810-21  
Notification Dated August 13, 2003

This will acknowledge receipt of your notification to add the alternate brand name "Irgaguard H4000", submitted under the provisions of FIFRA Section 3(c)9. Based on a review of the submitted material, the following comments apply.

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to your file.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Management Branch 1  
Antimicrobial Division 7510C

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							



# IRGAGUARD® H4000

## Silver-Zinc Zeolite

A material preservative and antimicrobial agent for use in the Manufacture of polymer, plastic, and textile products. For Use in Formulating, Manufacturing, and Fabricating of Treated Article Products Specified in the Use Directions

Active ingredient:  
Silver (as elemental) ..... 1.20%  
Zinc (as elemental) ..... 9.42%  
Other ingredients ..... 89.38%  
Total ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

EPA Establishment No. 70404-AL-002  
EPA Establishment No. 70404-DEU-002  
EPA Establishment No. 040810-CHE-001  
EPA Establishment No. 59824-JP-1

See Technical Bulletin  
for detailed use information

Net Wt.:

Lot #:

Ident.#

Ciba Specialty Chemicals Corp.  
Plastic Additives  
540 White Plains Road  
Tarrytown, NY 10591

### DIRECTIONS FOR USE

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

**This product is not approved for any food contact or human drinking water contact uses in the United States.**

Only for manufacture of or fabrication into antimicrobial pesticides for 1) the uses listed on this label and technical bulletin; 2) Uses for which USEPA has approved the required data and/or citations of data that the formulator has submitted in support of registration; and 3) Uses for experimental purposes that are in compliance with USEPA requirements.

IRGAGUARD® H4000 is an antimicrobial powder for the manufacture of polymeric, plastic, and latex products only. It is designed to be used in materials that may be incorporated into the products on the technical bulletin for Irgaguard® H4000 during the manufacturing process to impart antimicrobial activity to the manufactured products. IRGAGUARD® H4000 suppresses the growth of bacteria, algae, fungus, mold and mildew which cause unpleasant odors, discoloration, staining, deterioration or corrosion of those manufactured products.

Finished products containing IRGAGUARD® H4000 may not make public health claims relating to antimicrobial activity without EPA pesticide registration. When incorporated into treated articles, this product does not protect users of any such treated article or others against foodborne or disease causing bacteria, viruses, germs or other disease causing organisms.

IRGAGUARD® H4000 may be incorporated into materials that may be used in the finished product at 0.1 to 3.0% of Irgaguard® H4000 by weight. Contact Ciba Specialty Chemicals Corporation to determine the appropriate amount of IRGAGUARD® H4000 for individual finished products.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Do not store in areas accessible to children. Keep away from direct sunlight.

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

**Container Disposal:** Completely empty bags into processing equipment where the pesticide is used. Then dispose of empty bag and box in sanitary landfill or by incineration, if allowed by state and local authorities.

IRGAGUARD® is a trademark of Ciba Specialty Chemicals Corporation

EPA Approval Date: 10-18-2002

EPA Registration No. 40810-21

### PRECAUTION KEEP OUT OF REACH OF CHILDREN CAUTION

#### HAZARDS TO HUMANS

**CAUTION.** Causes moderate eye irritation. Wash thoroughly with soap and water after handling.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge into streams, ponds, estuaries, oceans, or public waterways unless addressed in an NPDES permit. Do not discharge into sewer systems without previously notifying the sewer authority. For more information, contact your State Water Board or Regional Office.

#### FIRST AID:

Have the product container or label or Material Safety Data Sheet when calling a poison control center or hospital.

#### IF IN EYES

- Hold eye open for 15 minutes. Remove contact lenses, if worn, and continue to irrigate for 15 minutes, then ophthalmologist.
- Call a poison control center or hospital.

FOR 24-HOUR EMERGENCY

Ciba Specialty Chemicals  
Corporation  
Plastics Additives



## Technical Bulletin

### Irgaguard® H4000

EPA Reg. 40810-21

**Material preservative and antimicrobial agent for use in the manufacture of polymer, plastic, and textile products**

#### **For Manufacturing/Fabrication Use Only**

IRGAGUARD® H4000 is an antimicrobial pesticide for the manufacture of polymeric, plastic, and latex products only. It is designed to be incorporated into the materials for manufacture into final products listed below during the manufacturing process to impart antimicrobial activity to the manufactured products. IRGAGUARD® H4000 suppresses the growth of bacteria, algae, fungus, mold and mildew which cause unpleasant odors, discoloration, staining, deterioration or corrosion of those manufactured products.

Finished products containing IRGAGUARD® H4000 may not make public health claims relating to antimicrobial activity without EPA pesticide registration. When incorporated into treated articles, this product does not protect users of any such treated article or others against foodborne or disease causing bacteria, viruses, germs or other disease causing organisms.

IRGAGUARD® H4000 may be used in material that may be incorporated into the finished product at 0.1 to 3.0% of IRGAGUARD® H4000 by weight. Contact Ciba Specialty Chemicals Corporation to determine the appropriate amount of IRGAGUARD® H4000 for individual finished products.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Use only under agreement with Ciba Specialty Chemicals Corporation. IRGAGUARD® H4000 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 antimicrobial activity in manufactured and finished products.

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**APPLICATIONS AND TYPES OF MATERIALS:**

APPLICATION	TYPES OF FINISHED PRODUCTS	
Plastics Including films, sheets, slabs, and molded plastic parts	Appliances and equipment Automobile parts Brush bristles Brush handles Conveyor belts Countertops Floor coverings Flooring Footwear (including boots, sports equipment and tools) Gaskets General purpose containers Indoor and outdoor furniture Insulation for wire and cable Insulators Kitchen and bathroom hardware Liners	Mats Mops Non-woven fabrics Plastic film Plumbing supplies and fixtures (including toilet bowl seats) Protective covers Shower curtains Siding for housing Sinks Sponges Tape Tiles Tubing Vacuum cleaner bags Waste containers
<b>USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States</b>		

APPLICATION	TYPES OF FINISHED PRODUCTS	
Fibers	Apparel (such as umbrellas, outerwear, sportswear, sleepwear, socks and hosiery, caps, undergarments, inner liners for jackets, trim for outerwear and garments, uniforms, outerwear, gloves, aprons, coats, and shoes) Conveyor belts Industrial and other Household Items (such as artificial leather, filters, book covers, mops, cloth for sails, ropes, tents and other outdoor equipment, tarps, awnings, bags, brush bristles, commercial and industrial wipes and fabrics, sponges, wiping cloths) Interior furnishings (such as mattress cover pads and filling, pillow covers, sheets, blankets, fiberfill for quilts and pillows, curtains, draperies, carpet and carpet underlay, rugs, upholstery, towels, wall covering fabrics, cushion pads, sleeping bags) Packaging Transportation items (such as automotive and truck upholstery, carpeting, rear decks, trunk liners, convertible tops, interior liners)	
<b>USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States</b>		

APPLICATION	TYPES OF FINISHED PRODUCTS
Coatings, Films, and Laminates	Appliances Automotive and vehicle parts Barrier fabrics Building materials and components (such as walls, wallboard, floors, concrete, siding, roofing, shingles, hardware, floors, ceilings, commercial and industrial applications) Collection and storage equipment (such as conveyor belts, piping systems, silos, tanks, and process vessels) Countertops Furniture General purpose containers Glazing for cement tile Glazing for vitreous chine used in plumbing fixtures (such as toilets, sinks, countertops) Industrial equipment Natural and synthetic fibers and fabrics Packaging Paper products (such as wipes, tissues, wall coverings, towels, book covers) Sinks
<b>USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States</b>	

APPLICATION	TYPES OF FINISHED PRODUCTS
Adhesives and Sealants	Appliances Bathrooms Cardboard Ceramic tile Construction materials Glazing for windows Grout and joint compound Paper Pipe sealant and insulating materials Plastic Plumbing adhesives Rubber Sealants for pipes Showers Wood Wood and plastic composites
<b>USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States</b>	

APPLICATION	TYPES OF FINISHED PRODUCTS
Miscellaneous applications	Cat litter Drainage and sewage pipe Flooring Plaster Sinks Stucco Tile Toilets

Irgaguard® H4000

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APPLICATION	TYPES OF FINISHED PRODUCTS
<b>USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States</b>	

**CHEMICAL AND PHYSICAL PROPERTIES**

Appearance: White powder

Odor: None detectable

Density: 3.13 g/cm<sup>3</sup>

