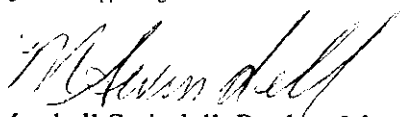
 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Antimicrobials Division (7510C) 1200 Pennsylvania Avenue, N.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u> X </u> Registration <u> </u> Re-registration</p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number:	Date of Issuance:
	40810-21	OCT 18 2002
	Term of Issuance: CONDITIONAL	
Name of Pesticide Product:		"IRGAGUARD® B4000"
Name and Address of Registrant (include ZIP code): Ciba Specialty Chemicals Corporation 540 White Plains Road, P.O. Box 2002 Tarrytown, New York 10591-9005		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA Section 4, or as required by registration review under FIFRA Section 3(g). Make the following labeling changes: <ol style="list-style-type: none"> Revise the EPA Registration Number to read, "EPA Reg. No. 40810-21". 		
Signature of Approving Official:	Date:	
 Marshall Swindell, Product Manager, Team 33, Regulatory Management Branch I, Antimicrobials Division	OCT 18 2002	

page 2
EPA Reg. No. 40810-21

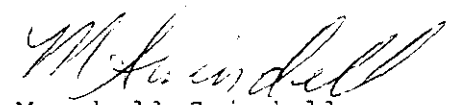
3. Submit three copies of a final printed production label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the accepted label is enclosed for your records.

If you have any questions concerning this letter, please contact myself at 703-308-6341, or Portia Jenkins at (703) 308-6230.

Sincerely,



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

Enclosure

3 7 8

IRGAGUARD® B4000

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

FIRST AID:

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

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

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL
1-800-873-1138**

EPA Establishment No. 70404-AL-002

EPA Registration No. 40810-

Net Weight

Lot No.

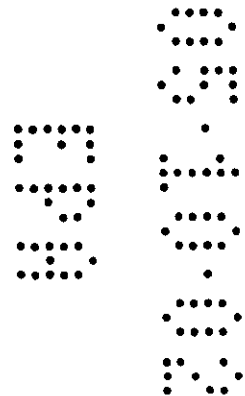
Ciba Specialty Chemicals Corp.
Plastic Additives
540 White Plains Road
Tarrytown, NY 10591

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

OCT 18 2002

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

40810-21



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS**

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with water after handling.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
OCT 18 2002
Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.
40810-21

DIRECTIONS FOR USE

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

****See Technical Bulletin for detailed use information****

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® B4000 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® B4000 during the manufacturing process to impart antimicrobial activity to the manufactured products. IRGAGUARD® B4000 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® B4000 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® B4000 may be incorporated into materials that may be used in the finished product at 0.1 to 3.0% of Irgaguard® B4000 by weight. Contact Ciba Specialty Chemicals Corporation to determine the appropriate amount of IRGAGUARD® B4000 for individual finished products.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

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

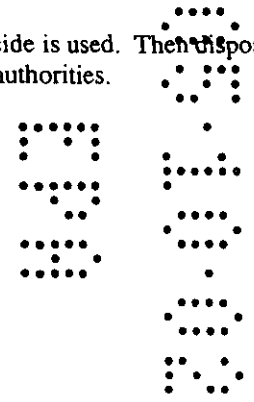
Pesticide Storage: Do not store in areas accessible to children. Keep away from direct sunlight.

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: NOT EPA APPROVED. Draft 4-25-2002



Ciba Specialty Chemicals Corporation
Plastics Additives

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 18 2002

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

40810-21

Technical Bulletin

Ciba



IRGAGUARD® B4000

EPA Reg. 40810-

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

For Manufacturing/Fabrication Use Only

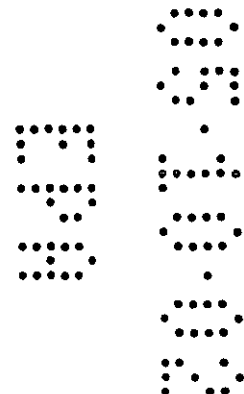
IRGAGUARD® B4000 is an antimicrobial pesticide for the manufacture of polymeric, plastic, and latex products only. It is designed to be incorporated into the materials for manufacture into final products listed below during the manufacturing process to impart antimicrobial activity to the manufactured products. IRGAGUARD® B4000 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® B4000 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® B4000 may be used in material that may be incorporated into the finished product at 0.1 to 3.0% of IRGAGUARD® B4000 by weight. Contact Ciba Specialty Chemicals Corporation to determine the appropriate amount of IRGAGUARD® B4000 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® B4000 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.



6 7 8

Irgaguard® B4000

APPLICATIONS AND TYPES OF MATERIALS:

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

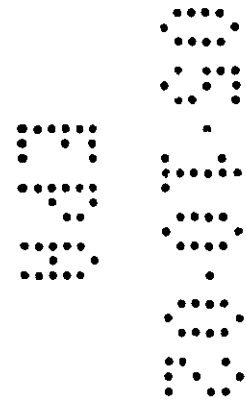
APPLICATION	TYPES OF FINISHED PRODUCTS	
Fibers	Apparel (such as umbrellas, outerwear, sportswear, sleepwear, socks and hosiery, caps, undergarments, inner liners for jackets, trim for outerwear and garments, uniforms, outerwear, gloves, aprons, coats, and shoes)	
	Conveyor belts	
	Industrial and other 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)	
	USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States	

ACCEPTED
with COMMENTS
in EPA Letter Dated:

OCT 18 2002

Under the Federal Insecticide,
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40810-21



Irgaguard® B4000

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
USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States	

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
<p>ACCEPTED with COMMENTS in EPA Letter Dated: OCT 18 2002 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 40810-21</p>	
USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States	

APPLICATION	TYPES OF FINISHED PRODUCTS
Miscellaneous applications	Cat litter Drainage and sewage pipe Flooring Plaster Sinks Stucco Tile Toilets
USE PRECAUTIONS: This product is not approved for any food contact or human drinking water contact uses in the United States	

8 7 8

Irgaguard® B4000

CHEMICAL AND PHYSICAL PROPERTIES

Appearance: White powder

Odor: None detectable

Density: 3.13 g/cm³

ACCEPTED
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