

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION

59824-2

DATE OF ISSUANCE

JUL 25 1994

PM 31 59824-2 P9 186 ✓

TERM OF ISSUANCE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Bactekiller AZ

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Kanebo Zeolite U.S.A. Inc.
350 Fifth Ave. Suite 2018
New York, NY 10118

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) and 3(c)(7)(B) provided that you:

1. Submit/cite all data required for registration/reregistration 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 reregistration of your product under FIFRA section 4.

2. Submit the information as requested in our letter of March 15, 1993 (item #2). The six acute toxicity studies are still incomplete. The stability of the test material was not included in the study. Your submission dated June 23, 1993 did not include this information.

3. Submit acceptable Environmental Fate studies to support the uses declared on the label. Refer to our letter dated July 13, 1994.

4. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 59824-2".

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

- b. Revise the phrase "... the manufacturing process to impart antimicrobial activity to the manufactured materials..."

to read: (two locations)

"...the manufacturing processs to preserve the integrity of the manufactured materials..."

- c. Include the subheading: Pesticide Disposal. Place this heading under the Storage and Disposal Section.
- d. Revise the entire Environmental Hazards section to read:

ENVIRONMENTAL HAZARDS

This pesticide 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 identified and 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.

- e. Add the following additional precautionary statements:

Causes eye irritation. Wash thouroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

- f. Add the following descriptor to the top of the front panel:

A preservative for use in the manufacture of plastic films, paint (interior), paper coatings adhesives, synthetic fibers and pigments.

Submit five (5) copies of the final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY


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Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely,



Marshall Swindell
Acting Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7505C)

Enclosures

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

(Front Panel Label for BACTEKILLER AZ - EPA FS 59824-E)

**BACTEKILLER AZ
Silver-Zinc Zeolite**

BACTEKILLER AZ is an antimicrobial powder for commercial and industrial use designed to be incorporated into various materials during varying stage of the manufacturing process to impart antimicrobial activity to the manufactured materials. For more details of the various materials refer to the supplemental labeling for uses of Bactekiller AZ.

Active Ingredients	
Silver* as elemental	3.5 %
Zinc* as elemental	6.5 %
Inert Ingredients	90.0 %

* from silver-zinc sodium alumino silicate complex

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: May be harmful if swallowed. Avoid contact with skin, eyes, or clothing. Avoid contamination of cooking utensils and food preparation surfaces.

STATEMENT OF PRACTICAL TREATMENT: If swallowed, drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Call a physician or poison control center. Do not induce vomiting or give anything by mouth to an unconscious person. If on skin, remove contaminated clothing and wash affected area with soap and water. If irritation persists, contact a physician. If in eyes, flush eyes for at least 15 minutes with water. If irritation persists contact a physician.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Keep out of any natural body of water. Do not contaminate water by cleaning od equipment or disposal of wastes. Do not discharge unused material into natural bodies of water unless in accordance with a NPDES permit.

STORAGE AND DISPOSAL: Do not store in areas accessible to children. Do not store in places where food or feed may come in contact with the product. Keep away from direct sunlight. Unused material should be disposed of on site or approved waste disposal facility.

CONTAINER DISPOSAL: Empty container thoroughly and rinse with water. Dispose in regular trash collection.

EPA Reg. No. 59824-

EPA Est. No. 59824-JP-1

Net Contents: 10 lbs; 20 lbs; or 100 lbs.

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

JUL 25 1994

KANEBO ZEOLITE U.S.A., INC.
350 Fifth Ave., Suite 2018
New York, N.Y. 10118

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

59824-2

BEST AVAILABLE COPY

BACTEKILLER AZ
Silver-Zinc Zeolite

DIRECTIONS FOR USE

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

**BLENDING AND FORMULATING INSTRUCTIONS
FOR THE LISTED MATERIALS**

BACTEKILLER AZ is a silver zinc zeolite powder designed to be incorporated into various materials at various states of their manufacturing process to impart antimicrobial properties to the manufactured materials. The powder can be incorporated into the materials as an integral part of the finished products throughout their entire thickness, or as a film over the surfaces of the manufactured materials, depending on the particular method of manufacture of the finished materials and needs of the manufacturer.

Bactekiller AZ may be incorporated into the following materials at the specific Maximum Inhibitory Concentrations (MIC) on a dry weight basis of finished products.

<u>APPLICATION</u>	<u>MIC</u>
Plastic, Film: (non-food use only and no water pipes) polyethylene, polypropylene, polyvinyl-chloride, polyacetate, and polyester	1.50 %
Paint: (Water base and solvent base) (not for exterior paint)	1.50 %
Paper coating: (non food packaging paper, no food contact) (not for paper production use)	1.50 %
Adhesive: (non food contact) plywood adhesives	2.00 %
Synthetic Fibers: polyester, nylon, polypropylene, Acrylic, and Rayon	1.50 %
Pigments: dyestuffs and inks	1.00 %
Textile Finishing and Manufacturing	0.75 %

ACCEPTED
with COMMENTS
in EPA E-111-100-001

JUL 25 1994

For details in blending BACTEKILLER AZ with these materials refer to supplemental labeling.

Under the provisions of the
Federal Insecticide, Fungicide, and Rodenticide Act,
as amended, for the purpose of this Act,
registered under EPA

59824-E

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SUPPLEMENTAL LABELING

BACTEKILLER AZ - FS 59824-E
(Silver-Zinc Zeolite)

Claims: Bactekiller AZ is to be incorporated into the following materials at suitable stages of the manufacturing process to impart antimicrobial activity to the treated materials and thus make them bacteriostatic against odor causing bacteria.

Fibers: polyester, polypropylene, nylon, polyethylene, acrylic and rayon

applications:

Home Furnishings: mattress cover pads, sheets, blankets, quilt and pillow fiber fill, curtain and drapery, carpet and carpet underlay, upholstery, wiping cloths, towels, bags, wallcover fabrics, and cushion pads.

Apparel: interlinings, industrial uniforms, coats and aprons, sportswear, sleepwear, stockings, socks, helmets, caps and gloves.

Industrial: brush bristles, shoe linings, artificial leather, filter (non food contact), book covers, sail cloth and ropes.

Plastic Films and Molded Plastics: (non-food use only and no water pipes)

Types: polyester, polyamide, polypropylene, polyethylene, polysiloxane, polyethylene copolymer, polyvinyl alcohol, epoxy resin, phenol resin, polycarbonate, cellulose acetate, polystyrene, polyurethane, acrylic resin, methyl methacrylate, acrylonitrile butadiene styrene copolymer.

Applications: gloves, shower curtains, [REDACTED] cable wraps, protective covers, non-food contact foam containers, brush handles, sponges, insulators, gaskets, non-food tubing, non-food contact containers and film, furniture.

Paper coating:(not for food packaging or for food contact)
(not for paper production use)

Types: cellulosic, synthetic, speciality, reinforced.

Applications: wall paper, non-food wrap, wiping towels, book covers, corrugated paper filters.

Paint: Water based and oil based paints for interior surface.(not for exterior paint)

Adhesives:(not for adhesive for paper or containers that will come in contact with food)

Applications: adhesive for plywood manufacture, adhesive for cement tile and sealants.

ACCEPTED
with COMMENTS
in EPA Letter Dated

JUL 25 1994

Under the provisions of the
Fungicide and Rodenticide Act
as amended, for the purpose
expressed under EPA Reg. 401.10
59824-2

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