

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 25 1994

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

Attention: Olivia Laird, Agent

Subject: Bactekiller AC
EPA Registration No. 59824-1
Your Amendment Dated August 11, 1994 and
Followup to Registration Notice of July 2, 1993

The amendment (adding textile/fiber uses) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you:


Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

It is noted that the subject of the amendment is solely for adding the textile/fiber use. The water treatment section was deleted because of deficient data bases. You agreed to these conditions in your letter dated January 28, 1993. Copy is enclosed. Therefore the use pattern for water treatment has been deleted from these proposed labels. Just a reminder that all label changes requested in the registration notice of July 2, 1993 must be incorporated in these labels. A cursory review indicates several changes may have been overlooked.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). A release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. A stamped copy of the labeling is enclosed for your records.

If you have any questions concerning this letter, contact V. Goncarovs at 703-305-6663.

Sincerely,


Marchall Swindell

Acting Product Manager 31

Antimicrobial Program Branch
Registration Division (H75050)

SYMBOL							
SURNAME							
DATE							

(Revised Front Panel Label)

BACTEKILLER AC
Silver-Copper Zeolite

BACTEKILLER AC is a antimicrobial powder for commercial and industrial use designed to be incorporated into various materials during varying stages of the manufacturing process to preserve the integrity of the materials. A preservative for use the manufacture of plastic films, paint (interior), paper coatings, adhesives, synthetic fibers and pigments. For more details of the various materials refer to the supplemental labeling for uses of Bactekiller AC.

ACTIVE INGREDIENT:

Silver * as elemental	3.5%
Copper * as elemental	6.1%

INERT INGREDIENTS: 90.4%

* from silver-copper sodium alunino 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 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.

STORAGE AND DISPOSAL, Pesticide 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 an approved waste disposal facility.

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

ACCEPTED
with COMMENT
in EPA Letter

AUG 25 1994

EPA Reg. No. 59824-1

Net Contents: 10 lbs; 20 lbs; or 100 lbs. **59824-1**

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 59824-1.

EPA Est. No. 59824-JP-1

3 7 4

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

(Revised Back Panel for Bactekiller AC -EPA Reg. No. 59824-1)

BACTEKILLER AC
Silver-Copper 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 AC is a silver copper zeolite antimicrobial powder designed to be incorporated into various materials at various stages of their manufacturing process to preserve the integrity of 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 AC may be incorporated into the following materials at the specified Maximum Inhibitory Concentrations (MIC) on a dry weight basis of finished products, or on weight by weight basis for liquid products such as paints, dyestuffs and inks.

<u>APPLICATION</u>	<u>MIC</u>
Plastic Film: <i>non food use only and no water pipes</i> Polyethylene, polypropylene, polyvinyl chloride, polyacetate, and polyester	1.50%
Paint (Water base and solvent base)- interior only	1.50%
- Paper <i>coatings</i> (non food packaging paper, no food contact) <i>not for paper production use</i>	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%

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

ACCEPTED
with COMMENTS
in EPA Letter dated

AUG 25 1994

Under the
Federal Insecticide,
Fungicide, and
Rodenticide Act
59824-1

SUPPLEMENTAL LABELING

**BACTEKILLER AC - EPA Reg. No. 59824-1
(Silver-Copper Zeolite)**

Claims: Bactekiller AC is to be incorporated into the following materials at suitable stages of the manufacturing process to preserve the integrity of the manufactured/treated materials, and thus make them [REDACTED] to suppress the growth of bacteria and mold.

Fibers: Polyester, polypropylene, nylon, polyethylene, acrylic, rayon

applications:

home furnishings: mattress cover pads, sheets, blankets, quilt and pillow fiber fill, curtain and drapery, carpet and carpet underlay, upholstery, wiping cloth, towels, bags, wallcover fabrics, cushion pads

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

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

Plastic Films and Molded Plastics:

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, 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 products*

types: cellulosic, synthetic, specialty, reinforced

applications: wallpaper, non-food wrap, wiping towels, book covers, corrugated paper filters.

Paint: water based, oil based paints; for interior surfaces

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

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

BEST AVAILABLE COPY

ACCEPTED
with COMMENT
in EPA Letter dated

AUG 25 1994

Under the
FRA
and
regulations

59824-1