

71227-8

9/11/2014

1/9



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Ms. Abigail Downs
Regulatory Consultant for,
c/o Sinanen Zeomic Company Ltd.
Technology Sciences Group
1150 18th Street, N. W., Suite 1000
Washington, D.C. 20036

SEP 11 2014

Subject: Zeomic Type HW Silver Zeolite X
EPA Registration Number 71227-8
Your Amendment Dated June 16, 2014
EPA Received Date June 17, 2014

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to update the Confidential Statement of Formula and product labeling, is acceptable.

Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data. A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

If you have questions concerning this letter, please contact Karen M. Leavy at (703)-308-6237.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Miederhoff". The signature is written in a cursive style with a large initial "E".

Eric Miederhoff
Acting Product Manager, Team 33
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs
Environmental Protection Agency

Zeomic® Type HW Silver Zeolite X

A preservative and bacteriostatic agent for use in the manufacture of polymer, plastic and latex products. For commercial and industrial use.

Active Ingredient:

Silver	0.5 %
Other Ingredients	99.5 %
Total	100.0 %

KEEP OUT OF REACH OF CHILDREN

CAUTION

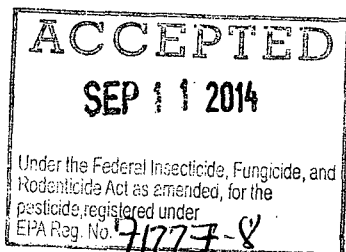
SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS

Manufactured by:
Sinanen Zeomic Company, Ltd.
1-1 Nakagawa-honmachi
Minato Ku, Nagoya
455-0051 Japan

EPA Registration No. 71227-8
EPA Establishment No. 71227-JPN-001

Net Wt. XXXX

Lot No. XXXXXXXXXXX



Directions for Use

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

Do not use for any application involving direct or indirect contact with food, drinking water, or packaging.

Zeomic® Type HW Silver Zeolite X is an antimicrobial additive to be used by compounding into many polymeric materials. It is designed to be incorporated during the manufacturing process to impart antimicrobial activity to the manufactured products listed below. ***Zeomic® Type HW Silver Zeolite X*** suppresses the growth of algae, mold, mildew, fungi and bacteria which cause unpleasant odors, discoloration, staining, deterioration or corrosion only. No finished product incorporating ***Zeomic® Type HW Silver Zeolite X*** may make any public health claims relating to antimicrobial activity without first obtaining an EPA registration for the finished product which permits such claims. When incorporated into treated articles, this product does not protect users of any such treated article or others against food borne or disease causing bacteria, viruses, germs or other disease causing organisms.

Manufacturing Intermediates

The additive may be incorporated into commercially distributed intermediate manufacturing materials at up to 20.0% by weight.

Do not use for any application involving direct or indirect contact with food, drinking water, or packaging.

APPLICATION	MAXIMUM RATE
Plastics (see separate description of resins and applications)	20.0%
Fibers (see separate description of resins and applications)	20.0%
Coatings (see separate description of resins and applications)	20.0%
Adhesives and Sealants (see separate description of resins and applications)	20.0%

Types of Finished Products

Plastics - including films, sheets, slabs, and molded plastic parts

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.3% for bulk plastics. Contact Sinanen Zeomic Company, Ltd. to determine the appropriate amount of **Zeomic® Type HW Silver Zeolite X** for individual finished products.

Resins: Including polyester (PET, PBT and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinylacetate (PVA), ethylene-vinylacetate (EVA), polyvinyl chloride (PVC), polyvinylidene chloride (PVDC), epoxy, phenolic, polycarbonate, cellulose, cellulose acetate, polystyrene, polyurethane, acrylics, polymethyl methacrylate, acrylonitrile-butadiene-styrene copolymers (ABS), acrylonitrile-styrene-acrylic copolymers (ASA), acetals, polyketones, polyphenylene ether, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymers and fluoropolymers, amines resins, thermo plastic elastomers, rubbers (including styrene butadiene rubber, butadiene rubber, CR), polyacetal (polyoxymethylene, and blends and copolymers thereof.

Do not use for any application involving direct or indirect contact with food, drinking water, or packaging.

- | | |
|--------------------------------|--|
| Automobile Parts | Kitchen and bathroom hardware |
| Shower curtains | Appliances and equipment |
| Mats | Countertops |
| Protective Covers | Sinks |
| Tape | Flooring |
| Packaging | Floor coverings |
| Gaskets | Tiles |
| Waste containers | Conveyor belts |
| General purpose containers | Footwear including boots |
| Brush handles | Sports equipment |
| Sponges | Tools |
| Mops | Insulation for wire and cable |
| Vacuum cleaner bags | Insulators |
| Plastic film | Indoor and outdoor furniture |
| Tubing | Spas, bathtubs, showers, filters and components thereof. |
| Plumbing supplies and fixtures | Garbage bags and garbage cans |
| Drain pan liners | Plastic building materials |
| Siding for housing | |
| Non-woven fabrics | |

Fibers – including cotton, rayon and synthetically derived fibers

The additive may be incorporated into the finished product at up to 5.0% by weight or at least 0.1% for fibers. Contact Sinanen Zeomic Company, Ltd. to determine the appropriate amount of **Zeomic® Type HW Silver Zeolite X** for individual finished products.

Resins: Including acetate, polyester (PET and PBT), polyolefins, polyethylene, polypropylene, polyamide including "Nylon", acrylics, viscose, polyurethane, and "Rayon", polyvinyl alcohol, polyvinyl chloride, polyvinylidene chloride, polysaccharide, and copolymers and blends thereof.

Do not use for any application involving direct or indirect contact with food, drinking water, or packaging.

- | | |
|---|---|
| Synthetic and Natural Fibers | Rear decks |
| Paper for gypsum board. | Trunk liners |
| Paper, paperboard, composite building materials | Convertible tops and interior liners |
| Mattress cover pads and filling | Umbrellas |
| Pillow covers | Outwear |
| Sheets | Uniforms |
| Blankets | Coats |
| Fiberfill for quilts and pillows | Aprons |
| Curtains | Sportswear |
| Draperies | Sleepwear |
| Carpet and carpet underlay | Stockings |
| Rugs | Socks |
| Upholstery | Hosiery |
| Table cloths | Caps |
| Napkins | Undergarments and inner liners for jackets, shoes, gloves and helmets, trim for outwear |
| Wiping cloths | Undergarments |
| Mops | Brush bristles |
| Towels | Artificial leather |
| Bags | Filters |
| Wall covering fabrics | Book covers |
| Cushion pads | Mops |
| Sleeping bags | Cloth for sails, ropes, tents and other outdoor equipment |
| Brush bristles | Tarps |
| Automotive and truck upholstery | Awnings |
| Carpeting | |

Coatings, Films and Laminates

The additive may be incorporated into the finished product at up to 5.0% by weight, or at least 0.5% for coatings. Contact Sinanen Zeomic Company, Ltd. to determine the appropriate amount of **Zeomic® Type HW Silver Zeolite X** for individual finished products. Types of coatings include water-borne, solvent-borne, 100% solids, radiation cure, and liquid and powder coatings.

Resins: Including alkyds, amino resins (melamine formaldehyde and urea formaldehyde) polyester (unsaturated polyester, PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinylacetate (PVA), ethylene-vinylacetate (EVA), polyvinyl chloride (PVC, including plastisol), polyvinylidene chloride (PVDC), epoxy, phenolic, polycarbonate, cellulose, cellulose acetate, polystyrene, polyurethane, acrylics, polymethyl methacrylate, acrylonitrile-butadiene-styrene copolymer (ABS), acrylonitrile-styrene-acrylic copolymers (ASA), acetals, polyketones, polyphenylene ether, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymers and fluoropolymers, thermo plastic elastomers, rubbers (including styrene butadiene rubber, butadiene rubber, CR), polyacetal (polyoxymethylene), and blends and copolymers thereof.

Do not use for any application involving direct or indirect contact with food, drinking water, or packaging.

Building Materials (including gypsum board, insulation, cellulose or fiberglass ceiling tile, and polymer flooring.)

Heating, Ventilation and Air Conditioning equipment and related materials (including insulation, ducts, heat exchangers, drain pans, air filters, air purifiers, diffusers, and parts and components thereof)

Industrial equipment

Furniture

Automotive and vehicular parts

Packaging

Siding

Roofing

Shingles

Floors

Concrete

Natural and synthetic fibers and fabrics

Paper products (wall coverings, towels, book covers)

Barrier fabrics

Glazing for cement tile and for vitreous china used in plumbing fixtures such as toilets, sinks, and countertops other than kitchen countertops

Adhesives and Sealants

The additive may be incorporated into the finished product at up to 5.0% by weight, or at least 0.5% for adhesives and sealants. Contact Sinanen Zeomic Company, Ltd. to determine the appropriate amount of **Zeomic® Type HW Silver Zeolite X** for individual finished products. Methods of application include hot-melt, aqueous, solvent-borne, 100% solids, and radiation cure.

Resins: Including alkyds, amino resins (melamine formaldehyde and urea formaldehyde) polyester (Unsaturated polyester, PET, PBT, and PEN), polyamide (Nylon), polyimide, polypropylene (PP), polyethylene (PE), polybutylene, polymethylpentene (PMP), polysiloxane, polyvinyl alcohol (PVOH), polyvinylacetate (PVA), ethylene-vinylacetate (EVA), polyvinyl chloride (PVC, including plastisol), polyvinylidene chloride (PVDC), epoxy, phenolic, polycarbonate, cellulotics, cellulose acetate, polystyrene, polyurethane, acrylics, cyanoacrylates, polymethyl methacrylate, acrylonitrile-butadiene-styrene copolymer (ABS), acrylonitrile-styrene-acrylic copolymers (ASA), acetals, polyketones, polyphenylene ether, polyphenylene sulfide, polyphenylene oxide, polysulfones, liquid crystal polymers and fluoropolymers, thermo plastic elastomers, rubbers (including styrene butadiene rubber, butadiene rubber, CR), polyacetal (polyoxymethylene), and blends and copolymers thereof.

Do not use for any application involving direct or indirect contact with food, drinking water, or packaging.

- Adhesives for ceramic tile, wood, paper, cardboard, rubber and plastic
- Adhesives used in the manufacture of wood and plastic composites
- Glazing for windows
- Grout
- Sealants for pipes
- Adhesives
- Sealants and insulating materials for appliances, bathrooms, showers, kitchens, and construction

Miscellaneous Applications

The additive may be incorporated into the finished product at up to 5.0% by weight. Contact Sinanen Zeomic Company, Ltd. to determine the appropriate amount of **Zeomic® Type HW Silver Zeolite X** for individual finished products. Types of materials include clay, china, ceramics, concrete, sand, and grout.

Do not use for any application involving direct or indirect contact with food, drinking water, or packaging.

- | | |
|------------------------------|--------------------------|
| Interior paints and coatings | Sinks |
| Stucco | Tile |
| Plaster | Flooring |
| Leather | Cat litter |
| Toilets | Drainage and sewage pipe |

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: Caution. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • 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.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	

Storage and Disposal

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

Pesticide Storage: Do not store in areas accessible to children. Keep product dry and containers covered during storage; store below 130°F.

Container Disposal: Inner Plastic Bag: Completely empty plastic bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. **Outer Steel Can:** Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

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

WARRANTY

Sinanen Zeomic Company, Limited warrants that this product conforms to the chemical description on the label. SINANEN ZEOMIC COMPANY, LIMITED makes no warranties of merchantability or fitness for a particular purpose nor any expressed or implied.