

87731-1

12-15-2011

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

EPA Reg. Number:
87731-1

Date of Issuance:
DEC 15 2011

Term of Issuance:

Conditional

Name of Pesticide Product:

Zeomic Type HW Silver
Zeolite X

Name and Address of Registrant (include ZIP Code):

Sinanen Zeomic Company, Ltd.
1 - 1 Nakagawa Hon Machi, Minato-ku
Nagoya 455, Japan

Note: Changes in labeling 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 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.

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.

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

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 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.
2. Make the labeling changes listed below before you release the product for shipment:
 - a. Revise the "EPA Registration Number to read, "EPA Reg. No. 87731-1".

Signature of Approving Official:

Marshall Swindell
Product Manager Team-33
Regulatory Management Branch I
Antimicrobials Division (7510P)

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2. The Basic Confidential Statement of Formula (CSF) dated December 12, 2011, is in compliance with PR Notice 92-1, agrees with the label and is acceptable. Refer to the enclosed copy of the product chemistry review for further comments.

3. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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 Martha Terry at (703) 308-6217.

Sincerely,



Marshall Swindell
Product Manager 33
Regulatory Management Branch I
Antimicrobials Division (7510P)

Enclosure

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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 only.

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 Hon Machi
Minato Ku, Nagoya
455-0051 Japan

EPA Registration No. 71227-
EPA Establishment No. 71227-JP-001

Net Wt. XXXX

Lot No. XXXXXXXXXX

ACCEPTED
with COMMENTS
EPA Letter Dated:
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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.

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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%

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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 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
- Shower curtains
- Mats
- Protective Covers
- Tape
- Packaging
- Gaskets
- Waste containers
- General purpose containers
- Brush handles
- Sponges
- Mops
- Vacuum cleaner bags
- Plastic film
- Tubing
- Plumbing supplies and fixtures
- Drain pan liners
- Siding for housing
- Non-woven fabrics
- Kitchen and bathroom hardware
- Appliances and equipment
- Countertops
- Sinks
- Flooring
- Floor coverings
- Tiles
- Conveyor belts
- Footwear including boots
- Sports equipment
- Tools
- Insulation for wire and cable

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- Insulators
- Indoor and outdoor furniture
- Spas, bathtubs, showers, filters and components thereof.
- Garbage bags and garbage cans
- Plastic building materials

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
- Paper for gypsum board.
- Paper, paperboard, composite building materials
- Mattress cover pads and filling
- Pillow covers
- Sheets
- Blankets
- Fiberfill for quilts and pillows
- Curtains
- Draperies
- Carpet and carpet underlay
- Rugs
- Upholstery
- Table cloths
- Napkins
- Wiping cloths
- Mops
- Towels
- Bags
- Wall covering fabrics
- Cushion pads
- Sleeping bags
- Brush bristles
- Automotive and truck upholstery
- Carpeting
- Rear decks
- Trunk liners
- Convertible tops and interior liners
- Umbrellas
- Outwear
- Uniforms
- Coats
- Aprons
- Sportswear

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Sleepwear
 Stockings
 Socks
 Hosiery
 Caps
 Undergarments and inner liners for jackets, shoes, gloves and helmets, trim for outerwear
 Undergarments
 Brush bristles
 Artificial leather
 Filters
 Book covers
 Mops
 Cloth for sails, ropes, tents and other outdoor equipment
 Tarps
 Awnings

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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 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)¹
 Industrial equipment
 Furniture
 Automotive and vehicular parts
 Packaging
 Siding
 Roofing
 Shingles
 Floors

¹ For HVAC and related uses, refer to Zeomic® AC Technical Bulletin No. 1 – Technical Bulletin for Zeomic® Type AC Silver Copper Zeolite A Polymeric Coating for Heating, Ventilation and Air Conditioning Applications (EPA Registration No. 71227-7).

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, cellulose, 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
Stucco
Plaster
Leather
Toilets
Sinks
Tile

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Flooring
Cat litter
Drainage and sewage pipe

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PRECAUTIONARY STATEMENTS

Hazards to Humans: Caution. Causes moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water of 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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

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 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.

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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.

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