

71227-9

9/11/2014

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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 18<sup>th</sup> Street, N. W., Suite 1000  
Washington, D.C. 20036

SEP 11 2014

Subject: Zeomic Type HJ Silver Zeolite X  
EPA Registration Number 71227-9  
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 "E. 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 HJ 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	2.2 %
Other Ingredients	97.8 %
Total	100.0 %

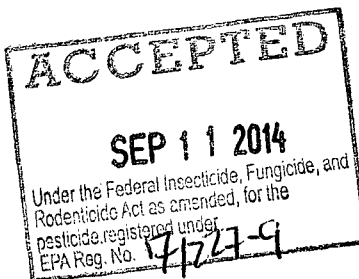
**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS**

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

EPA Registration No. 71227-9  
EPA Establishment No. 71227-JPN-001



**Net Wt. XXXX**

**Lot No. XXXXXXXXX**

# E-SUBMISSION

### 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 HJ 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 HJ 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 HJ 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.

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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 HJ 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.

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#### **Non-food contact uses only:**

- |  |   |
|--|---|
| automobile parts   | mouthguards (Claims allowed: <i>odor, discoloration, staining</i> )         |
| shower curtains  | siding for housing  |
| mats   | kitchen and bathroom hardware   |
| protective covers  | flooring  |
| tape   | floor coverings   |
| waste containers   | footwear (including boots, sports equipment and tools)                      |
| brush handles  | insulation for wire and cable   |
| mops   | insulators  |
| vacuum cleaner bags  | indoor and outdoor furniture  |
| plumbing supplies and fixtures (including toilet bowl seats)   | toys (Claims allowed: <i>odor, discoloration, staining, deterioration</i> ) |
| office equipment   | spas, bathtubs, showers and filters and components thereof                  |
| personal care items (including grooming items, toothbrushes (Claims allowed: <i>odor, discoloration, staining</i> ), sports and dental |   |

**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 HJ 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.

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**Non-food contact uses only:**

*Interior furnishings -*

- mattress cover pads and filling
- pillow covers
- sheets
- blankets
- fiberfill for quilts and pillows
- curtains
- draperies
- carpet and carpet underlay
- rugs
- upholstery
- mops
- towels
- wall covering fabrics
- cushion pads
- sleeping bags

*Apparel –*

- umbrellas
- outerwear
- sportswear
- sleepwear
- stockings
- socks and hosiery

caps

- undergarments
- inner liners for jackets
- trim for outerwear and garments

*Transportation –*

- automotive and truck upholstery
- carpeting
- rear decks
- trunk liners
- convertible tops
- interior liners

*Industrial and Other Household Items –*

- artificial leather
- filters
- book covers
- mops
- cloth for sails
- ropes
- tents and other outdoor equipment
- tarps
- awnings

**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 HJ 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.

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

walls

wallboard

floors

concrete

siding

roofing

shingles

industrial equipment

furniture

automotive and vehicular parts

packaging

paper products (including wall coverings, towels, book covers)

barrier fabrics

glazing for cement tile

glazing for vitreous china used in plumbing fixtures (including toilets, sinks, countertops)

spas, bathtubs, showers, and filters and components thereof

**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 HJ 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.

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adhesives used in the manufacture of wood and plastic composites  
adhesives for ceramic tile, wood, paper, cardboard, rubber and plastic  
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 HJ 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.**

toilets	stucco
sinks	plaster
tile	cat litter
plaster	drainage and sewerage pipe
leather	interior paints and coatings
flooring	



**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.

<b>FIRST AID</b>	
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water of 15 – 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	

<b>Storage and Disposal</b>
<p>Do not contaminate water, food or feed by storage or disposal.</p> <p><b>Pesticide Storage:</b> Do not store in areas accessible to children. Keep product dry and containers covered during storage; store below 130°F.</p> <p><b>Container Disposal: Inner Plastic Bag:</b> 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. <b>Outer Steel Can:</b> 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.</p> <p><b>Pesticide Disposal:</b> Wastes from the use of this product may be disposed of on site or at an approved waste disposal facility.</p>

**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.