

71227-6

3/14/2014

118



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 14 2014

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Abigail Downs  
Agent for Sinanen Zeomic Company, Ltd  
Technology Sciences Group, Inc.  
1150 18th Street, N.W., Suite 1000  
Washington, District of Columbia 20036

Subject: Update CSF, Label, and Primary Brand Name  
EPA Reg. No. 71227-6  
Amendment Letter dated December 19, 2013

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. The Agency finds the basic CSF dated December 19, 2013, primary brand name and label changes to be acceptable.

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 its implementing regulation at 40 CFR 152.3.

If you have any questions concerning this letter, please contact Elizabeth Watkins at (703) 347-0241.

Sincerely,

A handwritten signature in cursive script that reads "Elizabeth H. Watkins" followed by a small flourish.

Marshall Swindell  
Product Manager (33)  
Regulatory Management Branch 1  
Antimicrobials Division (7510C)

<b>ACCEPTED</b>
03/14/2014
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 71227-6

**Zeomic® Type AV10D  
Silver Zeolite A**

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

**Active Ingredient:**

Silver	0.3 %
Other Ingredients	99.7 %
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. 71227-6  
EPA Establishment No. 71227-JPN-001

**Net Wt. XXXX**

**Lot No. XXXXXXXXXX**



**Standard 51 Listed**

## Directions for Use

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

For all uses listed\*:

- \* Do not incorporate this product into any food contact polymer unless the subject food contact polymer is approved and listed in 21 CFR, Parts 174 through 186 (inclusive), or in the United States Food and Drug Administration's "Food Contact Substance Notification System." Any incorporation of this product into an approved and listed food contact polymer must comply with the specific use conditions listed in 21 CFR, Parts 174 through 186 (inclusive), or in the United States Food and Drug Administration's "Food Contact Substance Notification System," for such food contact polymer. Any incorporation of this product into any food contact substance (including but not limited to non-polymer substances) other than an approved and listed food contact polymer is prohibited.
- \* This product may be used for the following human drinking water contact uses:
  - water filter components and housing units
  - water bottle dispensers and components
  - water dispensers
  - ice machine trays
  - ice machine bins
  - ice machine water hoses
  - ice dispensers and other ice machine components
  - water bottles
  - cups
  - water storage vessels
- \* This product may be incorporated into food and water bowls, dishes and other containers used by domestic animals. Do not use for any food or drinking water applications involving non-domestic animals.

*Zeomic® Type AV Silver Zeolite A* 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. *Zeomic® Type AV Silver Zeolite A* suppresses the growth of algae, mold, mildew, fungi and bacteria which cause unpleasant odors, discoloration, staining or deterioration only. No finished product incorporating *Zeomic® Type AV Silver Zeolite A* may make any public health claims relating to antimicrobial activity without first obtaining an EPA registration for the finished product which permits such claims, and without a tolerance or exemption from the requirement of a tolerance. 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.

## 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 20.0% by weight or at least 0.3% for bulk plastics. Contact Sinanen Zeomic Company Ltd. to determine the appropriate amount of Zeomic® Type AV Silver Zeolite A for individual finished products.

### **Food contact\* and non-food contact uses:**

packaging	countertops
gaskets	sinks
general purpose containers	tiles
food and drink containers	dishes
food trays and covers	cups
sponges	bottles
plastic film	conveyor belts
food wrap (including coated deli paper, coated meat interleavers and plastic wrap)	food processing equipment (including slicers, formers, juicers, washers, canners, freezers, refrigerators,
tubing	shelving, cookers, grinders, choppers, peelers and countertops)
brush bristles	beverage processing equipment (including mixers, transfer equipment, pumps, bottlers, canners,
liners	dispensers and fermenters)
non-woven fabrics	
appliances and equipment	
kitchen and food processing utensils and supplies	
cutting boards	

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

automobile parts	indoor and outdoor furniture
shower curtains	insulation for wire and cable
mats	plumbing supplies and fixtures (including toilet bowl seats)
protective covers	siding for housing
tape	kitchen and bathroom hardware
waste containers	flooring
brush handles	floor coverings
mops	footwear (including boots, sports equipment and tools)
vacuum cleaner bags	
insulators	

**Fibers**

The additive may be incorporated into the finished product at up to 20.0% by weight or at least 0.5% for fibers. Contact Sinanen Zeomic Company Ltd. to determine the appropriate amount of Zeomic® Type AV Silver Zeolite A for individual finished products.

**Food contact\* and non-food contact uses (in all cases, when the article itself is an approved polymer, or as an approved polymer coating on an article):**

napkins, tablecloths and wiping cloths  
bags  
brush bristles  
filters  
clothing apparel (including uniforms, outerwear, gloves, aprons, coats and shoes)  
sponges  
packaging (including bags, sacks, wraps, cushion and absorbent materials, and containers)  
conveyor belts  
kitchen, commercial and industrial wipes and fabrics

**Non-food contact uses only (in all cases, when the article itself is an approved polymer, or as an approved polymer coating on an article):***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  
helmets  
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 20.0% by weight, or at least 0.05% for paper or 0.3% for bulk plastics. Contact Sinanen Zeomic Company Ltd. to determine the appropriate amount of Zeomic® Type AV Silver Zeolite A for individual finished products. Types of coatings include water-borne, solvent-borne, 100% solids, radiation cure, liquid and powder.

**Food contact\* and non-food contact uses (in all cases, as an approved polymer coating for the article):**

- packaging
- paper products (including wipes and tissues)
- food wrap (including coated deli paper, coated meat interleavers and plastic wrap)
- natural and synthetic fibers and fabrics
- sinks
- countertops
- cutting boards
- dishes
- cookware
- general purpose containers
- kitchen, commercial and industrial utensils and supplies
- collection and storage equipment (including conveyor belts, piping systems, silos, tanks and process vessels)
- appliances and food processing equipment (including slicers, formers, juicers, washers, canners, freezers, refrigerators, shelving, cookers, grinders, choppers, peelers and countertops)
- beverage processing equipment (including mixers, transfer equipment, pumps, bottlers, canners and fermenters and dispensers)
- building materials and components (including walls, hardware, floors, ceilings and components thereof for kitchen, commercial and industrial applications)

**Non-food contact uses only (in all cases, as an approved polymer coating for the article):**

- 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)

**Adhesives and Sealants**

The additive may be incorporated into the finished product at up to 20.0% by weight, or at least 0.05% for paper or 0.3% for bulk plastics. Contact Sinanen Zeomic Company Ltd. to determine the appropriate amount of Zeomic® Type AV Silver Zeolite A for individual finished products.

**Food contact\* and non-food contact uses (in all cases, when used in approved polymers incorporated into adhesives or sealants):**

- plumbing adhesives
- pipe sealants and insulating materials
- grout and joint compound for; countertops, architectural elements and food and beverage related equipment

**Non-food contact uses only:**

- 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 20.0% by weight. Contact Sinanen Zeomic Company Ltd. to determine the appropriate amount of Zeomic® Type AV Silver Zeolite A for individual finished products.

**Non-food contact uses only:**

- toilets
- sinks
- tile
- flooring
- stucco
- plaster
- cat litter
- drainage and sewerage pipe

### PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals. CAUTION:** Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wear goggles or face shield and rubber gloves when handling the dry powder. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
<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 for 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>
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 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:** Nonrefillable container. Do not reuse or refill inner plastic bag or outer steel can. **Inner Plastic Bag:** Completely empty plastic bag into application equipment. Then offer for recycling if available or 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:** Offer for recycling if available or reconditioning if appropriate, 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.