



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 03, 2025

Abigail Wacek  
awacek@tsgusa.com  
SINANEN ZEOMIC COMPANY, LTD

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - "me too" use site and an optional label claim to the product label  
Product Name: ZEOMIC TYPE AK SILVER ZEOLITE A  
Admin Number: 71227-4  
EPA Receipt Date: 01/28/2021  
Action Case Number: 00216622

Dear Abigail Wacek:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this 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.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Heather Garvie via email at [garvie.heather@epa.gov](mailto:garvie.heather@epa.gov).

Sincerely,

A handwritten signature in black ink, reading "Heather A. Garvie". The script is elegant and cursive, with the first letters of each word being capitalized and prominent.

Heather Garvie, Senior Regulatory Advisor  
RMB 2, AD  
Office of Pesticide Programs

## **Zeomic® Type AK**

### **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 ion	4.93 %
Other Ingredients	95.07 %
Total	100.00 %

**KEEP OUT OF REACH OF CHILDREN**

### **DANGER**

*[Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.]*

**SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS**

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

EPA Registration No. 71227-4  
EPA Establishment No. 71227-JPN-001

**Net Wt. XXXX**

**Lot No. XXXXXXXXXX**

<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 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.	

[Note to Reviewer: Information in brackets is informative].



**Standard 51 Listed**

**Nonfood Compounds  
Program Listed PX**

### **PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals. DANGER:** 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.

## 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.**
- \* **For applications involving direct or indirect food or human drinking water contact, Zeomic® Type AK must be used with an FDA approved polymer or coating. Non-food and non-drinking water contact applications can use either FDA or non-FDA approved coatings.**
- \* **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 AK 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 AK Silver Zeolite A* 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 AK 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 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 AK Silver Zeolite A for individual finished products.

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

- Appliances and equipment
- Beverage processing equipment (including mixers, transfer equipment, pumps, bottlers, canners, dispensers and fermenters)
- Bottles
- Brush bristles (including personal care grooming items, toothbrushes (claims allowed: odor, discoloration, staining), and cosmetic brushes (claims allowed: odor, discoloration, staining))
- Conveyor belts
- Countertops
- Cups
- Cutting boards
- Dishes
- Food and drink containers
- Food processing equipment (including slicers, formers, juicers, washers, canners, freezers, refrigerators, shelving, cookers, grinders, choppers, peelers and countertops)
- Food trays and covers
- Gaskets
- General purpose containers
- Kitchen and food processing utensils and supplies
- Liners
- Non-woven fabrics
- Packaging
- Sinks
- Sponges
- Tiles
- Tubing

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

- Automobile parts
- Brush handles
- Drain pan liners
- Floor coverings
- Flooring
- Footwear (including boots, sports equipment and tools)
- Garbage bags and garbage cans
- Indoor and outdoor furniture
- Insulation for wire and cable
- Insulators
- Kitchen and bathroom hardware
- Mats
- Mops
- Office equipment
- Personal care items (including grooming items, sports and dental mouthguards (claims allowed: odor, discoloration, staining))
- Plumbing supplies and fixtures (including toilet bowl seats)
- Protective covers
- Shower curtains
- Siding for housing
- Spas, bathtubs, showers and filters and components thereof.
- Tape
- Vacuum cleaner bags
- Waste containers

## **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 AK Silver Zeolite A for individual finished products.

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

- Bags
- Brush bristles (including personal care grooming items, toothbrushes (claims allowed: odor, discoloration, staining), and cosmetic brushes (claims allowed: odor, discoloration, staining))
- Clothing apparel (including uniforms, outerwear, gloves, aprons, coats and shoes)
- Conveyor belts
- Filters
- Kitchen, commercial and industrial wipes and fabrics
- Napkins, tablecloths and wiping cloths
- Packaging (including bags, sacks, wraps, cushion and absorbent materials, and containers)
- Sponges

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

### *Interior furnishings -*

- Blankets
- Carpet and carpet underlay
- Curtains
- Cushion pads
- Draperies
- Fiberfill for quilts and pillows
- Mattress cover pads and filling
- Mops
- Pillow covers
- Rugs
- Sheets
- Sleeping bags
- Towels
- Upholstery
- Wall covering fabrics

### *Apparel –*

- Caps
- Inner liners for jackets
- Outerwear
- Sleepwear
- Socks and hosiery
- Sportswear
- Stockings
- Trim for outerwear and garments
- Umbrellas
- Undergarments

### *Transportation –*

- Automotive and truck upholstery
- Carpeting
- Convertible tops
- Interior liners
- Rear decks
- Trunk liners

### *Industrial and Other Household Items -*

- Artificial leather
- Awnings
- Book covers
- Cloth for sails
- Drain pan liners
- Filters
- Mops
- Ropes
- Tarps
- Tents and other outdoor equipment

### *Luggage -*

- Cosmetic bags
- Duffel bags
- Laundry bags
- Luggage
- Luggage Lining
- Packing Organizers
- Shoe bags
- Sports bag accessories
- Sports bags

### **Coatings, Films and Laminates**

The additive may be incorporated into the coating, film or laminate applied to the finished product at up to 5.0% 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 AK 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 food contact cases, when the article itself is an FDA-approved polymer, or as a FDA-approved polymer coating, film or laminate on an article):**

- Packaging
- Paper products (including wipes and tissues)
- 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:**

- Automotive and vehicular parts
- Barrier fabrics
- Concrete
- Cosmetic bags
- Duffel bags
- Floors
- Furniture
- Glazing for cement tile
- Glazing for vitreous china used in plumbing fixtures (including toilets, sinks, countertops)
- 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
- Laundry bags
- Luggage
- Luggage
- Luggage lining
- Packaging
- Packing organizers
- Paper products (including wall coverings, towels, book covers)
- Roofing
- Shingles
- Shoe bags
- Siding
- Spas, bathtubs, showers, and filters and components thereof
- Sports bag accessories
- Sports bags
- Sports, health, and fitness equipment
- Wallboard
- Walls



[Note to Reviewer: Information in brackets is informative].

### **Adhesives and Sealants**

The additive may be incorporated into the finished product at up to 5.0% 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 AK Silver Zeolite A for individual finished products.

### **Food contact\* and non-food contact uses (in all food contact cases, when the article itself is a FDA-approved polymer incorporated into FDA-approved adhesives or sealants):**

- Grout and joint compound for; countertops, building materials and components, and food and beverage related equipment
- Pipe sealants and insulating materials
- Plumbing adhesives

### **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
- Adhesives, sealants and insulating materials for; appliances, bathrooms, showers, kitchens and construction
- Glazing for windows
- Grout
- Sealants for pipes

### **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 AK Silver Zeolite A for individual finished products.

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

- Cat litter
- Drainage and sewerage pipe
- Flooring
- Interior paints and coatings
- Plaster
- Sinks
- Stucco
- Tile
- Toilets

### **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 Handling:** 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.

### **Optional Label Claims**

The use of Zeomic® Type AK Silver Zeolite A will result in avoiding/controlling unpleasant odors from fabrics and textiles caused by bacteria.