



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

June 4, 2024

Manuela Petrisor
Regulatory Consultant
Sinanen Zeomic Company, Ltd.
c/o Technology Sciences Group
Electronic Transmittal: Manuela.Petrisor@tsgconsulting.com

Subject: Label and CSF Amendment – Response to Silver GDCI Reclassification Letter
including updates to label and the Basic CSF
Product Name: ZEOMIC TYPE AC SILVER COPPER ZEOLITE A
EPA Registration Number: 71227-7
Received Date: 12/24/2019
Action Case Number: 00220412

Dear Manuela Petrisor:

The amended label and basic Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing 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. Pursuant to 40 CFR 156.10(a)(6) you must submit one 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.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 12/20/2019

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2) If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements 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, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Assurance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact me via email at garvie.heather@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Heather A. Garvie". The signature is written in a cursive, flowing style.

Heather A. Garvie
Senior Regulatory Advisor
Regulatory Management Branch 2
Antimicrobials Division
Office of Pesticide Programs

Zeomic® Type AC Silver Copper Zeolite A

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

ACCEPTED

06/04/2024

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 71227-7

Active Ingredient:

Silver ion	3.52%
Copper	6.1%
Other Ingredients	90.38 %
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. 71227-7
EPA Establishment No. 71227-JPN-001

Net Wt. XXXX

Lot No. XXXXXXXXXX



Standard 51 Listed

**Nonfood Compounds
Program Listed PX**

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 AC 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 AC Silver Copper 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 AC Silver Copper 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 AC Silver Copper 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. 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 AC Silver Copper 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):

- Appliances and equipment
- Beverage processing equipment (including mixers, transfer equipment, pumps, bottlers, canners, dispensers and fermenters)
- Brush bristles (including personal care grooming items, toothbrushes), and cosmetic brushes
- Building materials and components (including walls, hardware, floors, ceilings and components thereof for kitchen, commercial and industrial applications)
- Conveyor belts
- Countertops
- Cutting boards
- Dishes, cups, bottles
- 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
- Plastic sheeting for construction and agricultural applications
- Sinks
- Sponges
- Tiles
- Tubing

Non-food contact uses only:

- Automobile Parts
- Brush handles
- Cameras and imaging equipment
- Drain pan liners
- Floor coverings
- Flooring
- Garbage bags and garbage cans
- Indoor and outdoor furniture
- Insulation for wire and cable
- Insulators
- Kitchen and bathroom hardware
- Mats
- Medical devices, equipment and supplies
- Mops
- Office equipment and supplies (including binders, filing and storage systems, pens, pencils, markers, printers, facsimile machines, desk accessories, computers, keyboards, mice, scanners, and printers).
- Plastic building materials
- Plumbing supplies and fixtures
- Protective Covers
- Shower curtains
- Siding for housing
- Spas, bathtubs, showers, filters and components thereof
- Telephones, mobile devices, head phones, head sets and accessories
- Vacuum cleaner bags
- Waste containers

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 0.5% for fibers. Contact Sinanen Zeomic Company, Ltd. to determine the appropriate amount of ***Zeomic® Type AC Silver Copper 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, or as a FDA-approved polymer coating on an article):

- Bags
- Brush bristles (including personal care grooming items, toothbrushes and cosmetic brushes)
- 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
- Synthetic and natural fibers

Non-food contact uses only:

Synthetic and Natural Fibers

Paper for gypsum board.

Paper, paperboard, composite building materials

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
- Medical devices, equipment and supplies
- 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 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 AC Silver Copper Zeolite A*** for individual finished products. Types of coatings include water-borne, solvent-borne, 100% solids, radiation cure, liquid and powder emulsion, starch, cellulosic, lacquer, thermoset, thermoplastic, thermal spray coatings including pre-dispersions and components thereof.

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

- 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)
- Collection and storage equipment (including conveyor belts, piping systems, silos, tanks and process vessels)
- Cookware
- Countertops
- Cutting boards
- Dishes
- General purpose containers
- Kitchen, commercial and industrial utensils and supplies
- Natural and synthetic fibers and fabrics
- Packaging
- Paper products (including wipes and tissues)
- Sinks

Non-food contact uses only:

- Automotive and vehicular parts
- Building Materials (including gypsum board, insulation, cellulose or fiberglass ceiling tile, and polymer flooring.)
- Cosmetic bags
- Duffel bags
- Furniture
- 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
- Industrial equipment
- Laundry bags
- Luggage
- Luggage
- Luggage Lining
- Medical devices, equipment and supplies
- Packaging
- Packing Organizers

- Roofing
- Shingles
- Shoe bags
- Siding
- Sports bag accessories
- Sports bags

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 AC Silver Copper 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, joint compound and grout for gypsum board, ceramic tile, wood, paper, cardboard, rubber and plastic.
- Medical devices, equipment and supplies

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 AC Silver Copper 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 or coating.

- Interior paints and coatings
- Leather
- Medical devices, equipment and supplies
- Plaster
- Slurries and Intermediates
- Stucco

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: Caution. Harmful if swallowed, inhaled, or absorbed through the skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes and 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 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 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.