

## **PLEASE NOTE**

**This image contains more than one label approved for this product on this date.**

71227-5

6/15/2010

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

JUN 15 2010

Sinanen Co., Ltd.  
4-27, Kaigan 1-Chome, Minato-ku  
Tokyo 105, Japan

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

U.S. Agent:  
1150 18<sup>th</sup> Street, NW  
Suite 1000  
Washington, DC 20036

Attention: Erin M. Tesch  
Regulatory Consultant

Subject: Zeomic Type AW Silver Zeolite A  
EPA Reg. No. 71227-5  
Amendment Dated May 25, 2010


The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. The Agency approves the following:

- Revision of the minimum loading rate of Zeomic Type AW Silver Zeolite A in bulk polymers and fiber, and;
- Inclusion of Electrical wiring devices and wall plates as a non-food contact use only.

A stamped copy of the accepted labeling is enclosed. Submit three copies of your final printed labeling to the Agency before distributing or selling the product bearing the revised labeling.

The submitted efficacy data showing reduction against public health bacterial pathogens was not reviewed as you did not add this claim to the label and the test protocol has not been previously approved by the Agency.

If you have any questions concerning this letter, please contact Abigail Downs at (703) 305-5259.

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

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# Zeomic® Type AW Silver Zeolite A

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	0.59 %
Other Ingredients	99.41 %
Total	100.00 %

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS**

Manufactured by:  
Sinanen Company, Ltd.  
4-22, Kaigan 1-Chome, Minato-ku  
Tokyo 105, Japan

EPA Registration No. 71227-5  
EPA Establishment No. 71227-JP-001

**Net Wt. XXXX**

**Lot No. XXXXXXXXXX**

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

**JUN 15 2010**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. *71227-5*

## 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

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

JUN 15 2010

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 71227-5

\* 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 AW 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 AW 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 AW Silver Zeolite A*** may make any public health claims relating to antimicrobial activity without first obtaining an EPA registration or FDA Clearance 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 0.1% for bulk plastics. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AW Silver Zeolite A for individual finished products.

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

- packaging
- gaskets
- general purpose containers
- food and drink containers
- food trays and covers
- sponges
- plastic film
- food wrap (including coated deli paper, coated meat interleavers and plastic wrap)
- tubing
- brush bristles (including personal care grooming items, toothbrushes (Claims allowed: *odor, discoloration, staining*) and cosmetic brushes)
- liners
- non-woven fabrics
- appliances and equipment
- kitchen and food processing utensils and supplies
- cutting boards
- countertops
- sinks
- tiles
- dishes
- cups
- bottles
- conveyor belts
- 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, dispensers and fermenters)
- garbage bags and garbage cans

**ACCEPTED**  
**with COMMENTS**  
 EPA Letter Dated:

JUN 15 2010

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act as  
 amended for the pesticide,  
 registered under EPA Reg. No. 71227-5

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**Non-food contact uses only:**

automobile parts  
shower curtains  
mats  
protective covers  
tape  
waste containers  
brush handles  
mops  
vacuum cleaner bags  
plumbing supplies and fixtures (including toilet bowl seats)  
office equipment and supplies (including binders, filing and storage systems, pens, pencils, markers, printers, facsimile machines, desk accessories, computers, keyboards, mice scanners, and printers).  
medical devices, equipment and supplies

siding for housing  
kitchen and bathroom hardware  
flooring  
floor coverings  
footwear (including boots, sports equipment and tools)  
insulation for wire and cable  
insulators  
indoor and outdoor furniture

Telephones, mobile devices, head phones, head sets and accessories  
Cameras and imaging equipment

Electrical wiring devices and wall plates

**ACCEPTED**  
**with COMMENTS**  
**EPA Letter Dated:**

JUN 15 2010

Under the Federal Insecticide,  
Fungicide and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 71227-5

**Fibers**

The additive may be incorporated into the finished product at up to 20.0% by weight or at least 0.1% for fibers. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AW 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 (including personal care grooming items, toothbrushes (Claims allowed: *odor, discoloration, staining*) and cosmetic brushes)

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

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

medical devices, equipment and supplies

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

JUN 15 2010

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 712275

**Coatings, Films and Laminates**

The additive may be incorporated into the finished product at up to 30.0% by weight, or at least 0.05% for paper or 0.1% for bulk plastics. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AW Silver 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 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)
- medical devices, equipment and supplies
- office equipment and supplies (including binders, filing and storage systems, pens, pencils, markers, printers, facsimile machines, desk accessories, computers, keyboards, mice scanners, and printers).
- Telephones, mobile devices, headphones, head sets and accessories
- Cameras and imaging equipment

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

JUN 15 2010

Under the Federal Insecticide,  
Fungicide and Rodenticide Act as  
amended for the pesticide,  
registered under EPA Reg. No. 71227-5



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Electrical wiring devices and wall plates

**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 0.1% for bulk plastics. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AW 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  
medical devices, equipment and supplies

**Miscellaneous Applications**

The additive may be incorporated into the finished product at up to 20% by weight. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AW Silver Zeolite A for individual finished products.

**Non-food contact uses only:**

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

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

*JUN 15 2010*

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 71227-5

### PRECAUTIONARY STATEMENTS

**Hazards to Humans:** 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. Remove contaminated clothing and wash clothing before reuse.

**First Aid:**

~~If on skin:~~ Wash with plenty of soap and water.

~~If inhaled:~~ Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

~~If in eyes:~~ Flush with plenty of water. Call a physician if irritation persists.

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 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 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>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

ACCEPTED  
with COMMENTS  
Date: \_\_\_\_\_

JUN 15 2010

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide, registered under EPA Reg. No. 71227-5

### 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 container (or equivalent) promptly after emptying. 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.

**NEXT**

**LABEL**

71227-5

6/15/2009

1/10



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

JUN 15 2009

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Erin Tesch  
Agent for Sinanen  
c/o Technology Sciences Group, Inc.  
1150 18<sup>th</sup> Street, N.W., Suite 1000  
Washington, D.C. 20036

Subject: Zeomic Type A W Silver Zeolite A  
EPA Registration Number 71227-5  
Your Submission Dated March 16, 2009  
EPA Received Date March 17, 2009

This letter conditionally extends the approval date to 4/1/2011, for the following label use categories which received time-limited approval until 4/1/2011, in the letter dated 2/3/09. This includes uses involving incorporation of the product during original manufacture and during post-manufacture of listed articles:

- Indirect/direct food contact (limited to specific uses listed on stamped label)
- Drinking water contact (limited to specific uses listed on stamped label)
- Non-food/non-drinking water contact (limited to specific uses listed on stamped label)
- HVAC (limited to specific uses listed on stamped label)

This approval extension is conditionally granted providing:

1. The data recently submitted or cited to satisfy the following required data for this product must be found fully acceptable:

- Sub-chronic rodent feeding study
- Sub-chronic non-rodent feeding study
- Developmental toxicity study
- Mammalian cells in culture forward gene mutation assay
- In-vivo cytogenetics via metaphase analysis, micronucleus assay
- Copy of your FDA Petition package

2. An aggregate risk assessment under FIFRA Section 2(bb), using all data submitted/cited, must result in determination by the Agency that all indirect food, drinking water, HVAC, and all other non-food/water uses listed on the label will not result in un-reasonable adverse effects to humans or environment. If the Agency is unable to make this determination for each label use, then label uses which are found to pose unreasonable risk will expire on 4/1/09 and must be deleted at that time.

The use pattern "toothbrush" under the description of "bristles" , is acceptable.

The lowering of the loading rates for use in fibers from 0.5% to 0.3%, is acceptable.


The increase of the loading rates for use in coatings from 20.0% to 30.0%, is acceptable.

The increase of the loading rates under "Miscellaneous Applications" from 5% to 20%, is acceptable.

Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the accepted label is attached for your records.

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,

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

# Zeomic® Type AW Silver Zeolite A

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	0.59 %
Other Ingredients	99.41 %
Total	100.00 %

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

**SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS**

Manufactured by:  
Sinanen Company, Ltd.  
4-22, Kaigan 1-Chome, Minato-ku  
Tokyo 105, Japan

EPA Registration No. 71227-5  
EPA Establishment No. 71227-JP-001

**Net Wt. XXXX**

**Lot No. XXXXXXXXXX**

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

*JUN 15 2009*

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. *71227-5*

## 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

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

JUN 15 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 71227-5

\* 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 AW 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 AW 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 AW Silver Zeolite A*** may make any public health claims relating to antimicrobial activity without first obtaining an EPA registration or FDA Clearance 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 Company Ltd. to determine the appropriate amount of Zeomic® Type AW Silver Zeolite A for individual finished products.

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

- packaging
- gaskets
- general purpose containers
- food and drink containers
- food trays and covers
- sponges
- plastic film
- food wrap (including coated deli paper, coated meat interleavers and plastic wrap)
- tubing
- brush bristles (including personal care grooming items, toothbrushes (Claims allowed: *odor, discoloration, staining*) and cosmetic brushes)
- liners
- non-woven fabrics
- appliances and equipment
- kitchen and food processing utensils and supplies
- cutting boards
- countertops
- sinks
- tiles
- dishes
- cups
- bottles
- conveyor belts
- 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, dispensers and fermenters)
- garbage bags and garbage cans

**ACCEPTED  
with COMMENTS  
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Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
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registered under EPA Reg. No. 71227-5



**Non-food contact uses only:**

automobile parts  
 shower curtains  
 mats  
 protective covers  
 tape  
 waste containers  
 brush handles  
 mops  
 vacuum cleaner bags  
 plumbing supplies and fixtures (including toilet bowl seats)  
 office equipment and supplies (including binders, filing and storage systems, pens, pencils, markers, printers, facsimile machines, desk accessories, computers, keyboards, mice scanners, and printers).  
 medical devices, equipment and supplies

siding for housing  
 kitchen and bathroom hardware  
 flooring  
 floor coverings  
 footwear (including boots, sports equipment and tools)  
 insulation for wire and cable  
 insulators  
 indoor and outdoor furniture

Telephones, mobile devices, head phones, head sets and accessories  
 Cameras and imaging equipment

**ACCEPTED**  
**with COMMENTS**  
**EPA Letter Dated:**

JUN 15 2009

Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act as  
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 registered under EPA Reg. No. 71227-5

**Fibers**

The additive may be incorporated into the finished product at up to 20.0% by weight or at least 0.3% for fibers. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AW 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 (including personal care grooming items, toothbrushes (Claims allowed: *odor, discoloration, staining*) and cosmetic brushes)
- 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
- 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

medical devices, equipment and supplies

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

JUN 15 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 71227-5

**Coatings, Films and Laminates**

The additive may be incorporated into the finished product at up to 30.0% by weight, or at least 0.05% for paper or 0.3% for bulk plastics. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AW Silver 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 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)
- medical devices, equipment and supplies
- office equipment and supplies (including binders, filing and storage systems, pens, pencils, markers, printers, facsimile machines, desk accessories, computers, keyboards, mice scanners, and printers).
- Telephones, mobile devices, headphones, head sets and accessories
- Cameras and imaging equipment

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

**JUN 15 2009**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 71227-5

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**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 Company Ltd. to determine the appropriate amount of Zeomic® Type AW 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  
medical devices, equipment and supplies

**Miscellaneous Applications**

The additive may be incorporated into the finished product at up to 20% by weight. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AW Silver Zeolite A for individual finished products.

**Non-food contact uses only:**

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

**ACCEPTED  
with COMMENTS  
EPA Letter Dated:**

JUN 15 2009

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 71227-5

10/10

### PRECAUTIONARY STATEMENTS

**Hazards to Humans:** 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. Remove contaminated clothing and wash clothing before reuse.

**First Aid:**

**If on skin:** Wash with plenty of soap and water.

**If inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**If in eyes:** Flush with plenty of water. Call a physician if irritation persists.

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### 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:** 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.

ACCEPTED  
with COMMENTS  
EPA Letter Dated:

JUN 15 2008

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No. 71227-5