71227-4

4-16-2002

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

APR 1 6 2002

Amy Roberts, Agent for Sinanen Company, Ltd. c/o Technology Sciences Group, Inc. 1101 17<sup>th</sup> Street, N.W. Suite 500 Washington, D.C. 20036

Subject: Zeomic Type AK Silver Zeolite A (4.93% silver) EPA Reg. No. 71227-4 Your Submission Dated 7/18/2001

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, to add certain HVAC uses (product applied during manufacture), is acceptable on an interim time limited basis, and with the following required label changes, data requirements, and conditions.

#### **Time Limited Approval Rationale**

1. The proposed HVAC uses are being approved on an interim time-limited basis until a final risk assessment is completed. The determination of whether the Agency has adequate information to conduct this final risk assessment cannot be ascertained until after the Agency completes its reviews of the time limited submitted and cited data sent on 1/10/2002 for EPA Reg. No. 71227-1 (2.5% silver). We note that you are relying on these same data to support the proposed HVAC uses for this 4.93% silver product.

2. Our initial risk assessment and time limited approval of these identical HVAC uses for EPA Reg. No. 71227-1 was based on your migration study which used the 2.5 % silver product incorporated at a maximum rate of 5% in plastic. This would result in a treated article containing 0.125% silver by weight.

3. You did not submit migration data using this 4.93% silver product at a maximum 5% incorporation rate which would result in a treated article containing 0.25% silver by weight. You have not submitted any data or justification showing that the risk is unchanged and still acceptable with a doubling of the silver concentration in a treated article. Therefore, a migration study using this 5% silver product may be required in the future. Until you submit these data or justification, the label must be restricted to a maximum of 0.125% silver in HVAC uses.

#### Label and Technical Bulletin Changes

1. Because of items #1, #2, and #3 listed above, you must add the restriction statement listed below, in the HVAC sections.

	_	*	 CONCURRENC	ES		
SYMBOL						
DATE			 			

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY** "Do not exceed a 2.5% by weight maximum incorporation rate for all HVAC applications."

This will result in a maximum of 0.125% silver by weight. This restriction statement must be on the main label, Technical Bulletin, and any related collateral literature, advertising, and marketing materials.

2. Delete or modify the following unsubstantiated claims, "long term", "lasting protection", "benefit will be present as long as the coating or treatment remains on the surface", "long lasting". Your recent post manufacturing application submission indicates that the antimicrobial protection effect does not last indefinitely, and in fact needs to be replenished. Therefore, these claims are inappropriate.

3. Delete or modify "it is leach resistant and non-migrating". Your own data indicates the product leaches and migrates silver to the surface.

4. Delete "spread" as in "prevent the growth and spread of mold, mildew..". The word "spread" implies control of growth to non-treated areas which is not accurate.

5. Delete the second redundant "caused by" in the third claim.

6. Before shipping the product with this HVAC claim, you must submit two copies of a final printed "production label" (label that is fixed to actual product for sale) which makes the required label changes listed above.

#### **Time Limited Required Data**

1. The following required data must be submitted and found acceptable by April 1, 2003 to support the HVAC uses on the attached stamped label. Failure to satisfy these data requirements listed below may result in EPA issuing a notice to cancel this amendment under FIFRA section 6(e).

A. Sub-chronic rodent feeding study (830.3100)

- B. Sub-chronic non-rodent feeding study (830.3150)
- C. Developmental toxicity study (830.3700)
- D. Mammalian cells in culture forward gene mutation assay (870.5300)

E. In-vivo cytogenetics via metaphase analysis (870.5385), or micronucleus assay (870.5395)

- F. Two-generation reproductive study (870.3800)
- G. Copy of your FDA Petition package

This amendment for HVAC uses automatically expires on 4/1/2003. Sale or distribution of the subject product bearing labeling for these uses after April 1, 2003 will be a violation under FIFRA. Your release for shipment of this product constitutes agreement with the terms of this letter.

In order for the registration of these HVAC uses to be approved after 4/1/2003, the data listed in items A through G above, must be submitted, reviewed, and found acceptable. In addition, the

CONCURRENCES							
SYMBOL							
SURNAME						* * * * * * * * * * * * * * * * * * * *	
DATE			***************	***********	******	• • • • • • • • • • • • • • • • • • • •	•••••

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Agency must make a determination under FIFRA Section 2 (bb)(2) that these HVAC uses will not result in unreasonable adverse effects. If the Agency is unable to make this determination, then the approval of these uses will expire and you must delete them from the label via amendment.

A copy of the label stamped "accepted with comments", is attached for your records.

٩

If you have any questions about the comments in this letter, please feel free to contact Tony Kish at 703-308-9443, or myself at 703-308-6341.

Sincerely, ompart ish for

Marshall Swindell, Product Manager Team 33, Regulatory Management Branch I Antimicrobials Division (7510C)

	 ÷	 CONCURRENC	ES	 	
SYMBOL					
SURNAME					
DATE		 	****************	 ***************	

# Zeomic<sup>®</sup> 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 only.

#### **Active Ingredient:**

Silver	4.93 %
Other Ingredients	95.07 %
Total	100.00 %

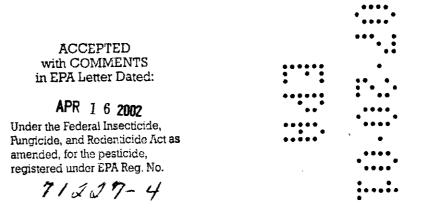
# KEEP OUT OF REACH OF CHILDREN DANGER

#### SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS

Manufactured by: Sinanen Company, Ltd. 4-22, Kaigan 1-Chome, Minato-ku Tokyo 105, Japan EPA Registration No. 71227-4 EPA Establishment No. 71227-JP-001

Net Wt. XXXX

#### Lot No. XXXXXXXXX



# **Directions for Use**

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

This product may not be used for any applications involving food contact, food packaging, or drinking water.

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 Silv*er 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.

ACCEPTED with COMMENTS in EPA Letter Dated:

APR 1 6 2002

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

71227-4

# **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 Company Ltd. to determine the appropriate amount of Zeomic® Type AK Silver Zeolite A for individual finished products.

#### Non-food contact uses only:

automobile parts shower curtains mats protective covers tape packaging gaskets waste containers general purpose containers brush handles sponges mops vacuum cleaner bags insulators plastic film indoor and outdoor furniture tubina insulation for wire and cable plumbing supplies and fixtures (including toilet bowl seats) siding for housing liners non-woven fabrics kitchen and bathroom hardware appliances and equipment countertops sinks flooring floor covering tiles conveyor belts footwear (including boots, sports equipment and tools) + drain pan liners

ACCEPTED with COMMENTS in EPA Letter Dated: APR 1 6 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No.  $7/2 \cdot 27 - 4$ 

+ For HVAC and related uses, refer to Zeomic® AK Technical Bulletin No. 1 – Technical Bulletin for Zeomic Type AK Silver Zeolite Polymeric Coating for Heating, Ventilation and Air Condition Applications.

# 7/14

#### **Fibers**

1

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 Company Ltd. to determine the appropriate amount of Zeomic® Type AK Silver Zeolite A for individual finished products.

#### Non-food contact uses only:

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

- umbrellas outerwear uniforms coats aprons sportswear sleepwear stockings socks and hosiery caps undergarments inner liners for jackets shoes aloves 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 brush bristles artificial leather filters book covers mops cloth for sails ropes tents and other outdoor equipment tarps awnings † drain pan liners

> ACCEPTED with COMMENTS in EPA Letter Dated:

#### APR 1 6 2002

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

71227-4

+ For HVAC and related uses, refer to Zeomic® AK Technical Bulletin No. 1 – Technical Bulletin for Zeomic Type AK Silver Zeolite Polymeric Coating for Heating, Ventilation and Alr Condition Applications.

#### Coatings, Films and Laminates

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 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.

#### Non-food contact uses only:

walls wallboard floors concrete siding roofing shingles industrial equipment natural and synthetic fibers and fabrics 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 to

ACCEPTED with COMMENTS in EPA Letter Dated:

### APR 1 6 2002

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 7/2.2.7-44

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)

#### **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 Company Ltd. to determine the appropriate amount of Zeomic® Type AK Silver Zeolite A for individual finished products.

#### 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

+ For HVAC and related uses, refer to Zeomic® AK Technical Bulletin No. 1 – Technical Bulletin for Zeomic Type AK Silver Zeolite Polymeric Coating for Heating, Ventilation and Air Condition Applications.



#### **Miscellaneous Applications**

The additive may be incorporated into the finished product at up to 5.0% by weight. Contact Sinanen Company Ltd. to determine the appropriate amount of Zeomic® Type AK Silver Zeolite A for individual finished products.

#### Non-food contact uses only:

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

> ACCEPTED with COMMENTS in EPA Letter Dated:

> > APR 1 6 2002

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

71229-4

#### PRECAUTIONARY STATEMENTS

**Hazards to Humans: DANGER. Corrosive.** Causes irreversible eye damage and severe skin irritation. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID			
If on skin or clothing	<ul> <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>		
If in eyes	<ul> <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>		
If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person if 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>		
<ul> <li>If swallowed</li> <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 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.

or at an approved waste disposal facility.	
ACCEPTED with COMMENTS in EPA Letter Dated:	
APR 1 6 2002	Zeomic® Type AK Silver Zeolite A (EPA Reg. No. 71227-4) Label Amendment to add HVAC use site
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for the pesticide	last revision July 18, 2001 – apr rev. 4 Page 7 of 7 ) イーム

## Zeomic® AK Technical Bulletin No. 1 TECHNICAL BULLETIN FOR ZEOMIC TYPE AK SILVER ZEOLITE POLYMERIC COATING FOR HEATING, VENTILATION AND AIR CONDITIONING APPLICATIONS

<u>Read the product label first.</u> Refer to the product label and MSDS for complete directions on safety precautions, storage and handling.

#### **Product Description:**

Zeomic® Type AK Silver Zeolite (Zeomic) contains 4.93% by weight silver in a natural zeolite carrier. Zeomic is registered by the U.S. Environmental Protection Agency for use in plastics, fibers, coatings, films, laminates, adhesives and sealants. In coatings applied to Heating, Ventilation and Air Conditioning (HVAC) systems and components thereof, the antimicrobial additive is incorporated into a coating to preserve, keep odor-free and operational the components of the HVAC system. The active ingredient provides long-term residual activity and lasting protection against odor, discoloration, staining, deterioration or corrosion caused by bacteria, mold and mildew. This product is compatible with the substrates and products listed under "Approved Uses."

#### Features:

Good durability – Zeomic imparts a durable antimicrobial activity to the surface of a wide variety of substrates; it is leach resistant and non-migrating. Salt spray, water soak and humidity testing has indicated that the antimicrobial benefit will be present as long as the coating or treatment remains on the substrate.

Antimicrobial activity – Effective against odor, discoloration, staining, deterioration or corrosion caused by bacteria, mold, mildew, fungi, algae and yeasts; antimicrobial action is exhibited on contact and in the presence of moisture.

#### Claims:

- Zeomic preserves treated articles.
- Zeomic is an EPA registered antimicrobial agent that will effectively prevent the growth and spread of mold, mildew, fungus and bacteria that cause odor, discoloration, staining, deterioration or corrosion on the surface of a treated article.
- Zeomic prevents odor, discoloration, staining, deterioration or corrosion caused by caused by bacteria, fungi, mold and mildew.
- Zeomic provides long-lasting protection from odor, discoloration, staining, deterioration or corrosion caused by bacteria, fungi, mold and mildew.
- Zeomic controls bacteria, mold and mildew, which cause corrosion.

#### ACCEPTED with COMMENTS in EPA Letter Dated;

Zeomic® AK Technical Bulletin No. 1 APR 1 6 2002 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 11,22,7-4 <u>Important:</u> Zeomic does not protect building occupants from airborne diseasecausing bacteria, viruses, mold or mildew or airborne allergens. Always clean and maintain the heating, ventilation and air conditioning system in accordance with the manufacturer's directions.

#### Technical Data:

Active Ingredient:	4.93% Silver
Color:	White
Physical State:	Dry Powder
Flammability:	Not Flammable
Specific Gravity:	2.15 <u>+</u> 0.1 g/cm <sup>3</sup>
pH:	7-9 (1g Zeomic/100 ml water)
Thermal Stability:	800 °C

#### Approved Uses:

For use in polymeric coatings and adhesives, including aqueous, aqueous/solvent solutions, protectorant wax or silicone technology to treat –

- Heating, Ventilation and Air Conditioning systems and related materials (including insulation, air handlers, ducts, heat exchangers, drain pans and liners thereof, air filters, air purifiers, diffusers, humidifiers and parts and components thereof),
- Automobile air conditioning systems.

#### How to Use Zeomic:

#### Surface Preparation:

Metal Surfaces: Apply only to clean dry surfaces free of all dirt, grease or impurities. Abrade all surfaces to remove all surface rust and corrosion products, and wash the intended surface with the appropriate cleaner, rinse and allow to dry thoroughly. Use surface pretreatments or primer coatings as required.

Painted Surfaces: Apply only to clean dry surfaces free of all dirt, grease or impurities. Wire brush painted surfaces removing all flaking, loose or chalking material. Sand all glossy surfaces to roughen the entire area. Use surface pretreatments or primer coatings as required.

ACCEPTED with COMMENTS in EPA Letter Dated: APR 1 6 2002

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

Ì

# 13| |16

#### Mixing:

Incorporate Zeomic directly into formulations developed for the coating of heating, ventilation and air conditioning system applications. Maintain constant agitation of the coating during the application process.

#### Application:

Following the surface preparation steps, various coating technologies may be used to apply the Zeomic compound, including automated dip, flow, roll or electro-deposition coating and manual brush, roller or spray coating.

#### Automated Processes:

Circulate Zeomic and coating via a closed system maintaining agitation. Ensure excess coating applied via dip, flow or roll coating technologies is collected and returned to the system. Maintain constant solids concentration by the addition of fresh, properly mixed coating to make up for usage. Minimize evaporation of the coating by maintaining covers on storage vessels. Utilize appropriate drying conditions, including infrared or conventional ovens to properly cure coating incorporating the Zeomic compound. These processes must be conducted in accordance with federal, state and local air pollution laws and regulations.

Apply coating to all surfaces at a rate to achieve a dry film thickness of approximately five (5) to twenty five (25) microns.

See handling instructions below for operator exposure requirements.

#### Manual Processes:

Zeomic may be incorporated into polymer adhesives and coatings and applied manually by brush, roller, spray or other coating technology. These products may be easily applied by high volume low-pressure (HVLP) spray equipment commonly used throughout the industry. These processes must be conducted within a downdraft spray booth permitted and operating in accordance with federal, state and local air pollution laws and regulations.

Apply coating to all surfaces at a rate to achieve a dry film thickness of approximately five (5) to twenty five (25) microns.

See handling instructions below for operator exposure requirements.

Contact Sinanen Zeomic Co., LTD to confirm optimum application technology and drying conditions, such as time and temperatures for each application before use in a commercial process. with COMMENTS in EPA Letter Dated:

Zeomic® AK Technical Bulletin No. 1	APR 1 6 2002	EPA Registration No. 71227-4
-	Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. $7 \ 1 \ 2 \ 2 \ 7 \ - \ 4$	EFA Registration No. 71227-JP-001 Rev. 1, July 17, 2001 Page 3 of 6

#### Clean up:

Use fresh water or solvent to clean brushes and equipment before product dries.

#### Handling Instructions:

Wear goggles or face shield and rubber gloves when handling the dry powder.

Airborne Exposure Limits pursuant to OSHA 1910.1000 Table Z-3 for Mineral Dust:

Permissible Exposure	Limit (PEL)
Respirable fraction:	5 mg/m3
Total dust:	15 mg/m3

As with any fine powder, avoid generating dust.

#### Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is preferred to help control the emissions of the contaminant at the source, preventing its dispersion through the work area.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, a half-face respirator with filter appropriate for 1micron dust may be worn per appropriate guidelines.

#### Storage, Shelf Life and Disposal:

Do not contaminate water, food or feed by storage and disposal.

**Pesticide Storage:** Do not store in areas accessible to children. Keep containers covered during storage; store below 130°F.

Shelf Life: Zeomic has a minimum shelf life of 12 months from date of shipment.

**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 in EPA Letter Dated:

	ADD	
Zeomic® AK Technical Bulletin No. 1	Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No.	EPA Registration No. 71227-4 Establishment No. 71227-JP-001 Rev. 1, July 17, 2001 Page 4 of 6
	Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide	Establishment No. 71227-JP-00 Rev. 1, July 17, 200

#### PRECAUTIONARY STATEMENTS

Hazards to Humans: DANGER. Corrosive. Causes irreversible eye damage and severe skin irritation. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

	FIRST AID		
lf on skin or clothing	<ul> <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>		
lf in eyes	<ul> <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>		
lf inhaled	<ul> <li>Move person to fresh air.</li> <li>If person if 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>		
<ul> <li>If swallowed</li> <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	doctor, or going for treatment.		

#### **MSDS** Information:

Refer to the Material Safety Data Sheet for this product for complete handling and safety information.

#### **Transportation Information:**

Zeomic is not regulated as a hazardous material under DOT.

#### **Regulatory Information:**

Zeomic Type AK is registered by the U.S. Environmental Protection Agency as EPA Reg. No. 71227-4.

ACCEPTED with COMMENTS in EPA Letter Dated: APR 1 6 2002

Zeomic® AK Technical Bulletin No. 1

Under the Federal Insecticide, EPA Registration No. 71227-4 Fungicide, and Rodenticide Act EPA Establishment No. 71227-JP-001 amended, for the pesticide, Rev. 1, July 17, 2001 registered under EPA Reg. No. Page 5 of 6

71227-4

For technical assistance or questions contact:

Sinanen Zeomic Co., LTD. 4-22, Kaigan 1-Chome, Minato-ku Tokyo 105-8525, Japan

Questions? 011-81-3-5470-7125

#### Important: Warranty and Disclaimer Information

Sinanen Zeomic Co., LTD warrants that each of its products will be manufactured in accordance with Sinanen's specifications in effect on the date of manufacture. SINANEN MAKES NO OTHER WARRANTIES AND EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a product fails to meet this limited warranty purchaser's sole and exclusive remedy is replacement of the product or, at Sinanen's option, refund of the purchase price. SINANEN'S ACCEPTANCE OF ANY ORDERS FOR THIS PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASERS' ASSENT TO THE TERMS ON THE APPLICABLE INVOICE.

ACCEPTED with COMMENTS in EPA Letter Dated:

APR 1 6 2002

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

71227-4