



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

102257-2

Date of Issuance:

7/3/25

NOTICE OF PESTICIDE:

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

REOLITE

Name and Address of Registrant (include ZIP Code):

Brian Hogan, KRK Consulting LLC
Agent for Robin K. International
4731 Fruitland Ave., Vernon, CA 90058
Electronic Transmittal: brian@eparegistration.com

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Steven Snyderman, Product Manager 33
Regulatory Management Branch II
Antimicrobials Division (7510M)
Office of Pesticide Programs

Date:

7/3/25

2. You are required to comply with the data requirements described in the DCI Order identified below:

- a. Silver Ion GDCI-072501-1129

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI Order listed above, you may contact the Reevaluation Team Leader (Team 36): <https://www.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobials-division#rb>

3. The data requirements for Series 830 Group A and Group B including Preliminary Analysis (Guideline 830.1700), storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320), are not satisfied for the active ingredient zinc.

You have 18 months from the date of registration to provide these data.

4. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, "EPA Reg. No. 102257-2."

5. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 02/13/2025

If you have any questions, please contact Srinivas Gowda by phone at 202-565-0078, or via email at gowda.srinivas@epa.gov.

Enclosure: Stamped Label

07/03/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 102257-2

Reolite™

Silver Zinc Zeolite

Reolite™ is an antimicrobial powder for commercial and industrial use, designed to be incorporated into polymer, plastic, yarn, fabric, textile, and other materials during various stages of the manufacturing process to impart antimicrobial activity to the treated materials.

Active Ingredient:	
Silver Ion	0.22 %
Zinc Ion	14%
Other Ingredients	85.78 %
Total	100.00 %

Silver-Zinc-Sodium Alumino Silicate

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE INSERT LABEL FOR PRECAUTIONARY STATEMENTS

Manufactured by: Reolite Company, 2nd Floor, Ganglee B/D, 39, Bomun-ro, Seongbuk-gu, Seoul, Republic of Korea	EPA Registration No. 102257-2 EPA Establishment No. 104711-KOR-1
Net Wt. XXXX	Lot No. XXXXXXXXXX

FIRST AID

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 on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 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 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. For general information on product use, etc., call the National Pesticide Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or visit <http://npic.orst.edu>. You may also contact the poison control center at 1-800-222-1222 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

Avoid breathing dust, especially during mixing or handling. Use only in well-ventilated areas. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, and applicators must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (made of any waterproof material)
- Protective eyewear (such as goggles or safety glasses)
- Shoes plus socks

If dust is generated during mixing or handling, it is recommended to use a NIOSH-approved particulate respirator (e.g., N95, N99, or N100) to minimize inhalation exposure.

Discard clothing and other absorbent material that have been heavily contaminated with the concentrate product. **DO NOT** reuse them.

User Safety Requirements

Follow the manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables exist, use detergent and hot water.

Wash PPE separately from other laundry. Do not reuse contaminated clothing unless it has been properly cleaned.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing.
- Change into clean clothing before resuming non-occupational activities.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge.

Do not discharge effluent containing this product into sewer systems without first notifying the local sewage treatment plant authority.

For guidance, contact your State Water Board or Regional Office of the EPA.

Directions for Use

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

BLENDING AND FORMULATING INSTRUCTIONS FOR THE LISTED MATERIALS

Reolite™ is an ion-exchanged silver-zinc zeolite powder, in which silver (Ag^+) and zinc (Zn^{2+}) ions are firmly fixed within the zeolite lattice structure. It is designed to be incorporated into various materials at various stages of their manufacturing process to impart antimicrobial properties to the finished products.

The powder can be incorporated into the materials as an integral part of the finished products throughout their entire thickness, or as a surface film, depending on the particular method of manufacture and the specific needs of the manufacturer.

Reolite™ may be incorporated into the following materials at the specified Maximum Inhibitory Concentrations (MIC) on a dry weight basis of finished products.

Application	Description	MIC
Plastic Films	For non-food use only; not permitted for use in water pipes. Applicable polymers include Polypropylene, Polyvinyl Chloride , Polyacetate, and Polyester.	0.65%
Paint	Water-base and solvent-base	0.65%
Paper Coating	For non-food packaging paper only; not for direct food contact or paper production.	0.65%
Adhesive	Non-food contact plywood adhesives	0.85%
Synthetic Fibers	Polyester, Nylon, Polypropylene, Acrylic, and Rayon	0.65%
Pigments	Dyes and inks	0.40%
Textile Finishing and Manufacturing		0.30%

For details in blending Reolite™ with these materials, refer to supplemental labeling.

REOLITE™ SUPPLEMENTAL LABELING

Claims:

Reolite™ is to be incorporated into the following materials at suitable stages of the manufacturing process to impart antimicrobial activity to the treated materials, and thus make them self-sanitized to suppress the growth of bacteria and mold responsible for unpleasant odors and discoloration of the treated materials.

Fibers

Polyester, polypropylene, nylon, polyethylene, acrylic, and rayon

Apparel –

- Interlinings
- Industrial uniforms
- Coats and aprons
- Sportswear
- Sleepwear
- Stockings
- Socks
- Helmets
- Caps
- Gloves

Industrial –

- Brush bristles
- Shoe linings
- Artificial leather
- Filters (non-food contact)
- Book covers
- Sail cloth
- Ropes

Interior furnishings –

- Mattress cover pads
- Sheets
- Blankets
- Quilt and pillow fiberfill
- Curtains and draperies
- Carpet and carpet underlay
- Upholstery
- Cushion pads
- Wall cover fabrics
- Wiping cloths
- Towels
- Bags

Paint

- Water-based paints
- Oil-based paints (Interior surfaces only)

Adhesives

(Not for adhesives for paper or containers that will come in contact with food)

- Adhesive for plywood manufacture
- Adhesive for cement tile
- Sealants

Plastic Film & Molded Plastics

(Non-food use only and no water pipes)

Types –

- Polyester
- Polyamide
- Polypropylene
- Polyethylene
- Polysiloxane
- Polyethylene copolymer
- Polyvinyl alcohol
- Epoxy resin
- Phenol resin
- Polycarbonate
- Cellulose acetate
- Polystyrene
- Polyurethane
- Acrylic resin
- Methyl methacrylate
- Acrylonitrile butadiene styrene copolymer

Applications –

- Gloves
- Shower curtains
- Air ducts
- Cable wraps
- Protective covers
- Non-food contact foam containers
- Brush handles
- Sponges
- Insulators
- Non-food tubing
- Non-food contact containers and film

Paper Coatings

(Not for food packaging or food contact. Not for paper production use)

Types –

- Cellulosic
- Synthetic
- Specialty
- Reinforced

Applications –

- Wallpaper
- Non-food wrap
- Wiping towels
- Book covers
- Corrugated paper filters

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.