



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

EPA Reg. Number:

5383-222

Date of Issuance:

5/13/19

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Micropel ZPT98

Name and Address of Registrant (include ZIP Code):

Patti Golick  
Troy Chemical Corporation  
c/o troy Corporation  
8 Vreeland Road  
Florham Park, N.J. 07932

**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.

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:

Zeno Bain, Product Manager 33  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Date:

5/13/19

2. You are required to comply with the data requirements described in the DCI identified below:
  - a. Zinc Pyrethione GDCI-088002-1483
3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. 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. 5383-222.”
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 the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. 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) list 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. 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 Compliance.

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 12/20/2018

If you have any questions, please contact Jake McFarley by phone at (703) 347-0123, or via email at [McFarley.Jake@epa.gov](mailto:McFarley.Jake@epa.gov).

Enclosure

**A C C E P T E D**

May 13, 2019

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 5383-222

**Micropel ZPT98**  
**Antimicrobial Additive for Plastics**

EPA Reg. No.: 5383-TBD

EPA Estab. No.: 5383-xxxx

Active Ingredient:

Zinc pyrithione (Zinc, 2-pyridinethiol-1-oxide).....98.88%

Inert Ingredients.....1.12%

Total: 100.00%

KEEP OUT OF REACH OF CHILDREN

**DANGER**

**[See side panel for additional Precautionary Statements]**

**IN CASE OF EMERGENCY:**  
**CALL 1-800-424-9300 (CHEMTREC)**

**Manufactured for/Manufactured by:**

TROY CHEMICAL CORP.  
One Avenue L  
Newark, N.J. 07105

Net Weight: \_\_\_\_\_

**Precautionary Statements  
Hazards to Humans and Domestic Animals**

**DANGER**

Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Users must wear goggles, safety glasses, or face shield and protective clothing, including long-sleeved shirt, long pants, socks, chemical resistant gloves and chemical resistant footwear. Users must wear a fit tested, NIOSH approved full-face respirator equipped with a combination organic vapor/P-100 prefilter. When mixing and loading, or cleaning equipment, wear a chemical resistant apron. 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.

<b>FIRST AID</b>	
If in Eyes	<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>
If Swallowed	<ul style="list-style-type: none"> <li>• Call a 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 a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
If on Skin or Clothing	<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>
If Inhaled	<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 mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<p>For information on this pesticide (including health concerns, medical emergencies, or pesticide incidents) call the National Pesticide Telecommunications Information Center at 1-800-858-7378. For chemical emergency assistance (spill, leak, fire or accident) call Chem-Trec at 1-800-424-9300.</p> <p>Have product container or label with you when calling a poison control center or doctor or going for treatment.</p>	
<b>NOTE TO PHYSICIAN</b>	
<p>Probable mucosal damage may contraindicate the use of gastric lavage.</p>	

## **ENVIRONMENTAL HAZARD**

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, estuaries, oceans or public 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 to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## **CHEMICAL HAZARDS**

Do not store or mix with strong oxidizing agents or strong (concentrated acids). In case of contamination do not reseal container. If possible, isolate container in open or well-ventilated area. Fumes caused by contamination may be hazardous.

## **DIRECTIONS FOR USE**

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

Micropel ZPT98 is an antimicrobial product for use in manufacturing of treated articles and substances. Micropel ZPT98 suppresses the growth of bacteria, algae, yeasts, fungi, molds, and mildew in treated articles.

Articles containing Micropel ZPT98 may contain claims related to inhibition, protection and/or control of unpleasant odors, discoloration, staining or deterioration caused from microbial growth on the treated article. Articles and substances incorporating Micropel ZPT98 may not make any public health claims relating to the antimicrobial treatment without first obtaining an EPA registration. Micropel ZPT98 also does not protect the article's users from food borne or disease causing organisms. Technical sheets that accompany substances containing Micropel ZPT98 intended for further processing should identify the content of the active levels of Micropel ZPT98 so that the finished article does not exceed the permitted use levels. For further guidance on treated article claims, please refer to "treated articles exemption" in 40 CFR 152.25(a).

## **PROTECTION OF FINISHED PRODUCTS AND INTERMEDIATE CONCENTRATES:**

Micropel ZPT98 can also be used as an antimicrobial additive in (1) finished products and formulations listed below at levels consistent with their listing; and (2) intermediate concentrations up to 25% by weight (250 lbs. of Micropel ZPT98 per 1000 lbs. (i.e., as a master batch) in substrates intended for further processing in an industrial environment into the finished products and formulations listed below consistent with the permitted finished product concentration. This rate applies only to intermediate manufacturing/industrial uses.

## **Non-Food Contact Uses:**

For the Preservation of Plastics and Rubber used in the Manufacture of the following products:

Addition of up to 4000 ppm (4 lbs./1000 lbs. of Micropel ZPT98) can inhibit the growth of microorganisms causing stains, odor or product degradation, including degradation of physical properties in rubber (such as natural, silicone and other elastomer rubber compounds), styrene based polymers (such as acrylonitrile butadiene, polystyrene, styrene acrylonitrile and others) and plastic resins and blends, including but not limited to vinyl chloride-vinyl acetate copolymers, polyurethanes, polyamides, polyolefins, polyesters, polycarbonate, and acrylonitrile copolymers. It can be added at a time during the formulation procedure that will insure uniform distribution throughout the polymer system.

### **Extruded Plastics Applications of Non-Food Contact Uses Include**

- Blown film – garbage bags, industrial can liners, green house film
- Laminated film – upholstery, tents, billboards, pool liners, roof membrane
- Gaskets – refrigerators, windows, doors, automotive windshield
- Weatherstrips – doors, windows
- Bristles – cleaning products
- Yarn – architectural fabrics, upholstery, carpet, window coverings, fabrics

### **Calendared Plastics Applications of Non-Food Contact Uses Include**

- Roof membrane
- Pool decking liners
- Geomembrane
- Green roof membranes

### **Coatings Applications of Non-Food Contact Uses Include**

- Plastisol and polyurethane coated fabrics – vinyl wallcoverings, vinyl flooring, tents, covers for transportation, automotive seating, upholstery, tarpaulin, awning, mattress liners, ditch liners, athletic floor covers, curtains

### **Molded Plastics Applications of Non-Food Contact Uses Include**

- Hard – handles (cleaning tools, kitchen tools, white good appliances), toiletry holders, wood decking, white good appliances, air conditioning units, humidifier units, phone cases, phones

- Soft – mats, handles and edges for cleaning tools, latex gloves

### **Indirect Food Contact Uses**

For the control of microorganisms causing stain, odor, or product degradation including degradation of physical properties in polymers used in food contact, add 750-1000 ppm (0.75-1.0 lbs of Micropel ZPT98 per 1000 lbs of polymer resin) at a point in the manufacturing process where thorough mixing will take place and uniform distribution will occur. 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". Restricted to repeat use applications at or below room temperature. 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 incorporation into treated articles made from, or coated with FDA approved polymers.

#### Coatings Applications of Indirect Food Contact Uses Include

- Clear varnishes –table tops, countertops, refrigerator and kitchen appliances, food processing equipment

#### Molded Plastics Applications of Indirect Food Contact Uses Include

- Hard –kitchen chopping board, coolers, utensils, storage containers, food trays, kitchenware

#### Extruded Plastics Applications of Indirect Food Contact Uses Include

- Conveyer belts

For the preservation of adhesives used for food packaging:

For the control of microorganisms causing stain, odor, or product degradation including degradation of physical properties in food packaging adhesives, at use temperatures up to 120°F, and subject to Good Manufacturing Practices, including the conditions specified in 21 C.F.R. 175.105 (a) and (b), add a dosage of 750 ppm to a maximum of 1000 ppm (0.75 to 1.0 lb of Micropel ZPT98 per 000 lbs of food packaging adhesive) at a point where thorough mixing will take place.

### **STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Do not store above 100°F. Storage areas must be locked and secure from vandalism, with precautionary signs posted. The storage area must be dry, well-lit and well ventilated. Keep pesticide storage area clean. Clean up spills promptly. Protect pesticide containers from extreme heat and cold.

**PESTICIDE DISPOSAL:** Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office for guidance.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the other end and tip it back and forth several times. Empty rinsate in to application equipment or a mix tank or store rinsate for later use and disposal. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by incineration.