MICROPEL® IT4DIDP

Industrial Midwifecide for use in Polyvinyl Chloride, Polyurethane, Silicone and Latex Polymers, Vinyl Film and Sheeting, Extruded Profiles, Plastics, Molded Goods, Coated Fabrics, Coatings and Sealants, Foams

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<th>EPA Registration Number</th>
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<td>EPA Establishment Number</td>
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**ACTIVE INGREDIENT:** 2-n-octyl-4-isothiazolin-3-one 4.0 %

**INERT INGREDIENTS:**

**TOTAL:** 100.0%

**KEEP OUT OF CHILDREN**
**OF REACH**
**CAUTION**
SEE SIDE PANEL FOR FIRST AID

IN CASE OF EMERGENCY CALL 1-800-424-9300

**Net Weight:**
Manufactured for:
Troy Chemical Company
One Avenue L, Newark, N.J. 07105

MICROPEL is a registered trademark

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear chemical-resistant gloves, goggles, face shield, chemical-resistant apron worn over long sleeved shirt and long pants and a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE pre-filter. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID

**IF IN EYES:**
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.
Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:**
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 SWALLOWED:**
Have person sip a glass of water if able to swallow.
Do not induce vomiting unless told to by a poison control center or doctor.
Do not give anything to an unconscious person.
Move person to fresh air.
If person is not breathing call 911 or an ambulance, then give artificial respiration preferably mouth-to-mouth if possible.
Call a poison control center or doctor for further treatment advice.

**IF INHALED:**
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters and shrimp. 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 Pollution 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 properly notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

**MICROPEL® IT4DIDP** is an antifungal solution for industrial use. It is designed to be incorporated into materials to impart antifungal activity to the manufactured materials and products. Bacterial and fungal growth cause permanent staining or discoloration, embrittlement and premature failure of finished products.

**MICROPEL® IT4DIDP** will help prevent product chalking by suppressing bacterial and fungal growth in treated products. Products containing **MICROPEL® IT4DIDP** may not meet claims of antimicrobial activity otherwise permitted by the article of manufacture. Stopping growth of bacteria and mold in the treated article may provide a fresher appearance for a longer time.

The amount of **MICROPEL® IT4DIDP** needed to provide the proper protection depends upon the specific formulation and use conditions.

APPLICATION

**MICROPEL® IT4DIDP** is suggested for polyvinyl chloride, polyurethane, silicones and latex polymers. Applications include: Vinyl films and sheeting – pool liners, pond liners, dicht sheets, waterproofed tarp, shower curtains, protective covers, mats, insulators, barrier film. Extruded profiles – automotive interior, wash, cleaning, appliance gaskets, wire and cable jacketing, foam gaskets, bath industry. Plastics – vinyl flooring, laminating adhesives for industrial coated fabrics, adhesives for vinyl, ceramic and rubber flooring, adhesives for windows, gasket and pipe sealants, silt cloth. Molded goods – vinyl floor tile, vacuum cleaner containers, injection molded automotive parts, shoe soles. Coated fabrics – wall coverings, upholstery, shower curtains, tablecloths, floor mats, clothing, carpet backing, mirror, tarpaulins, shower curtains, shower head, toilet seat, automobile seats, headlining. **MICROPEL® IT4DIDP** should not be used to treat articles which are intended to contact food or drinking water. **MICROPEL® IT4DIDP** is compatible with most polymer formulations and will not dissolve or deteriorate from the protected products chemical or physical properties. **MICROPEL® IT4DIDP** can be conveniently incorporated into the formulation during the mixing or compounding process.

**MICROPEL® IT4DIDP** is suggested of concentrations between 2% and 5%. For outdoor applications, a level of 5% **MICROPEL® IT4DIDP** is suggested in PVC formulations for maximum effectiveness. Micropel LLC recommends extensive testing facilities in order to assist the manufacturer in determining the optimum level of hogwash agent required for each product. **MICROPEL® IT4DIDP** is incorporated into a compound by substituting the required level (2% to 5%) for an equal amount of plasticizer or petrol. For example, in a 1000 lb batch containing 300 lbs of plasticizer and requiring a 3.0% **Micropel® antimicrobial**, 30 lbs. of the plasticizer or petrol would be replaced with 30 lbs of **MICROPEL® IT4DIDP**. It is important to remember that the final cost of using **MICROPEL® IT4DIDP** is therefore, calculated as the difference in cost between the **Micropel® antimicrobial** as well as the replaced plasticizer. **MICROPEL® IT4DIDP** should be added early in the blending operation to assure homogeneity.

**NOTICE**

Our suggestions for use of this product are based upon tests believed to be reliable. The use of this product is not without the risk beyond the control of the manufacturer, no guarantee can be given that the risk can be eliminated by any use, even if not in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Storage between 50°F (32°C) and 32°F (0°C) is suggested.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticides, spray mixtures, or sludge is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State pestcide or environmental control agency or the hazardous waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: Nonflammable container. Do not reuse or refill this container. Clean container promptly after emptying. Flip top cover at least once a week. Empty the remaining contents into application equipment or a mix tank or store in an inert atmosphere for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or pond to dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.