



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7504C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:  
45735-19

Date of Issuance:  
July 1,  
1998

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Micropel IT4 DIDP

Name and Address of Registrant (include ZIP Code):

Burlington Bio-Medical & Scientific Corporation  
223 Sherwood Avenue  
Farmindeale, NY 11735-1718

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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/reregistered 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 sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 45735-19".
- b. Delete the statement, "If growth of bacteria and mold in the treated article would lead to unpleasant odors and discoloration of the treated article, then such a claim may be made." According to PR Notice 98-X, concerning the treated article, on page 5 under item 4, the claim to prevent odor is considered aesthetic and outside the scope of the treated article document.

Signature of Approving Official:

Marshall Swindell, Product Manager (33)

Date:

Page 2  
EPA Reg. No.

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3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 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.



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

## Precautionary Statements

### HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

## DANGER

CAUSES EYE DAMAGE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF INHALED. MAY BE HARMFUL IF SWALLOWED.

Do not get in eyes, on skin, on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing vapor or mist. Keep container closed. Do not take internally. Use with adequate ventilation. Wash thoroughly after handling.

### Environmental Hazards

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or waste disposal.

### STORAGE AND DISPOSAL

**STORAGE:** Store in dry place.

**PESTICIDE DISPOSAL:** Do Not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely 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 DISPOSAL:** Triple rinse or equivalent. Then offer for recycling, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local authorities.

## For Industrial Use Only

# MICROPEL™ IT4 DIDP

## INDUSTRIAL MILDEWCIDE

### ACTIVE INGREDIENT:

2-n-octyl-4-isothiazolin-3-one.....4.0%

INERT INGREDIENTS:.....96.0%

TOTAL.....100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER

### Statement of Practical Treatment

**IF IN EYES:** Flush with plenty of water and call a physician.

**IF ON SKIN:** Wash skin with soap and plenty of water. Remove and wash contaminated clothing before re-use.

**IF SWALLOWED:** Dilute by giving water to drink and call a physician. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove immediately to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

### SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Net Contents: \_\_\_\_\_ Kg.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUL 0 1 1998

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

4-5-735-19

## Directions For Use

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

MICROPEL™ IT4 DIDP is an antimicrobial solution for industrial use. It is designed to be incorporated into the materials listed in the Technical Use Bulletin to impart antimicrobial activity to the manufactured materials and products. Bacterial and fungal growth cause permanent staining or discoloration, embrittlement and premature failure of finished products. MICROPEL IT4 DIDP will help preserve product integrity by suppressing bacterial and fungal growth in treated products.

Products containing MICROPEL IT4 DIDP may not make claims of antimicrobial activity other than protection of the article itself against growth of bacteria and mold in the treated article. If growth of bacteria and mold in the treated article would lead to unpleasant odors and discoloration of the treated article, then such a claim may be made.

The amount of MICROPEL IT4 DIDP needed to provide the proper protection depends upon the specific formulation and use conditions. Please consult the Technical Use Bulletin on MICROPEL IT4 DIDP for full information.

## NOTICE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is to be obtained if not used 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.

EPA REG. NO. 45735-RO  
EPA EST. NO. 45735NY-001

MANUFACTURED BY: Burlington Scientific Corp.  
Farmingdale NY 11735 USA

47408

3046

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

JUL 01 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
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4573519



**BURLINGTON**  
BIO-MEDICAL & SCIENTIFIC CORP.

222 SHERWOOD AVENUE, FARMINGDALE NY 11735-1718 USA - TEL: 516-694-9000 • FAX: 516-694-9177

## TECHNICAL USE BULLETIN

### MICROPEL™ IT4 DIDP Antimicrobial Additive for Plastics

#### Description

Micropel IT4 DIDP is an antimicrobial solution of 2-n-octyl-4-isothiazolin-3-one in a nonvolatile plasticizer carrier. It is an effective fungicide for use in PVC, polyurethane and other polymeric compositions requiring fungal protection. Low levels of Micropel IT4 DIDP will provide long term preservation against bacterial and fungal deterioration of the treated article and will help prevent permanent staining, embrittlement and premature product failure due to growth of organisms in the finished product.

#### Application

Micropel IT4 DIDP is recommended for polyvinyl chloride, polyurethane, silicone and latex polymers. Applications include:

Vinyl film and sheeting - pool liners, pond liners, ditch liners, waterbed liners, shower curtains, protective covers, mats, insulators, barrier films.

Extruded profiles - automotive moldings, weather stripping, appliance gasketing, wire and cable jacketing, foam gaskets, floor moldings.

Plastisols - Vinyl flooring, laminating adhesives for industrial coated fabrics, adhesives for vinyl, ceramic and rubber flooring, adhesives for windows, grout and pipe sealants, sail cloth.

Molded goods - Vinyl floor tile, waste containers, injection molded automotive parts, shoe soles.

Coated fabrics - Wallcoverings, upholstery, pillow and mattress ticking, backlit signs, awnings, tents, tarpaulins, protective covers, aprons, barrier fabrics.

Coatings/Sealants - Industrial urethane coatings, artificial leather, sail cloth, raincoats, silicone caulks for bathroom and industrial use, carpet backing.

Foams - Pillow and mattress foam, carpet underlay, gaskets, shoe soles.

Micropel IT4 DIDP should not be used in treated articles which are intended to contact food or drinking water. Micropel IT4 DIDP is compatible with most polymer formulations and will not discolor or detract from the protected product's chemical or physical properties. Micropel IT4 DIDP can be conveniently incorporated into the formulation during the mixing or compounding process.

#### Typical Properties:

Active ingredient	4% (2-n-octyl-4-isothiazolin-3-one)
Inert Carrier	96% (Diisodecyl phthalate)
Appearance	Light straw-colored, clear liquid
Density	~8.1 lbs/gal
Specific Gravity	~0.975
Flash Point PMCC	~225° C
Odor	Mild

(Over)

## Recommended Use Levels

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Micropel IT4 DIDP is recommended at concentrations between 2% and 5%. For outdoor applications, a level of 5% Micropel IT4 DIDP is recommended in PVC formulations for maximum effectiveness. Burlington maintains extensive testing facilities in order to assist the manufacturer in determining the optimum level of biocidal agent required for each product.

Micropel IT4 DIDP is incorporated into a compound by substituting the required level (2.0% or 5.0%) for an equal amount of plasticizer or polyol. For example, in a 1000 lb batch containing 300 lbs. of plasticizer and requiring a 3.0% Micropel antimicrobial level, 30 lbs. of the plasticizer or polyol would be replaced with 30 lbs. of appropriate Micropel antimicrobial. It is important to remember that the final cost of using Micropel antimicrobials is, therefore, calculated as the difference in cost between the Micropel antimicrobial as well as the replaced plasticizer.

Micropel IT4 DIDP should be added early in the blending operation to assure homogeneity.

## Handling Precautions

In its undiluted form Micropel IT4 DIDP is a skin irritant and contact with the skin or eyes should be avoided. If it is splashed in the eyes, flush with copious amounts of water and secure immediate medical attention. If it is splashed on the skin, wash thoroughly with soap and water. Micropel solutions are harmful if swallowed and should be kept out of reach of children.

Wear eye protection and rubber gloves when handling.

Micropel antimicrobials are toxic to fish and wildlife and should not be discharged where it will drain into lakes, streams, ponds, or public water unless in accordance with the requirements of an NPDES permit. Do not discharge effluent containing this product to sewer systems without proper approval.

Micropel IT4 DIDP should only be used as specified on the label.

## Storage and Disposal

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

Triple rinse empty containers and offer for recycling or reconditioning. Plastic drums which cannot be reconditioned and recycled should be punctured or crushed, and disposed of in landfill or other procedures approved by state and local authorities.

Pesticide wastes are acutely 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.

## Standard Package

Drum, 450 lbs. net weight

EPA Registration No. 45735-RO

To the best of our knowledge the information contained herein is correct. All products may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the product is the sole responsibility of the user. Users of the product should satisfy themselves that the conditions and methods of use assure that the product is used safely. No representations or warranties either expressed or implied of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the product to which the information refers. Nothing herein is intended as a recommendation to use or product so as to infringe any patent. We assume no liability for customer's violation of patent or other rights. The customer should make his own patent investigation relative to his proposed use.