

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER**

Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed. Do not get in eyes, on skin, or clothing. Do not breathe vapor or spray mist. Wear goggles or face shield, protective clothing and rubber gloves, a mask or a pesticide respirator jointly approved by MSHA (Mine Safety and Health Administration) and NIOSH (National Institute for Occupational Safety and Health). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Prolonged and frequently repeated contact may cause allergic reaction in some individuals. See right panel for additional precautions.

FIRST AID	
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.
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 the eye. 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 further treatment advice.
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.
HOTLINE NUMBER:	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <i>You may also contact 1-800-222-1222 for emergency medical treatment information.</i>	
NOTE TO PHYSICIAN:	
Probable mucosal damage may contraindicate the use of gastric lavage.	

MICROPEL™ 2 DIDP
Bacteriostatic & Fungistatic Additive for Plastics

EPA Reg. No. 81348-6
EPA Est. No. 072038-DE-001

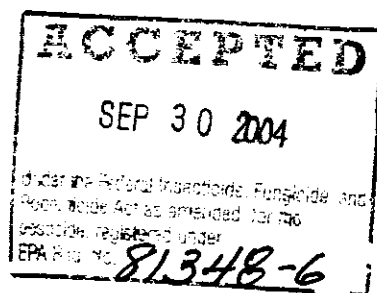
ACTIVE INGREDIENT:

10,10'-oxybisphenoxarsine.....	2.0%
(total arsenic as elemental As-0.6%)	
(Water soluble arsenic as elemental As-less than 0.01%)	
INERT INGREDIENTS.....	98.0%
TOTAL.....	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

READ THIS LABELING BEFORE USING



MICROPEL LLC
P.O. Box 434
Florham Park, New Jersey 07932

Net Weight: _____

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, birds and mammals. 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 previously notifying the local sewage treatment 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.

NOTICE TO USER: This product should not be used on items which come in contact with foodstuffs nor items of clothing or infant wear. Restriction encompass all food grade paper coatings, paper and paperboard and adhesives.

Products containing MICROPEL 2 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.

MICROPEL 2 DIDP is a formulation of 10,10'-oxybisphenoxarsine specifically designed for compatibility with flexible vinyl systems. It may also be used as a preservative in plastic products, adhesives, coatings and specialty products, textiles and textile fibers, and resin, latex and polymer emulsions. Please consult the Technical Use Bulletin on MICROPEL 2 DIDP for full information.

A level of 1.5% MICROPEL 2 DIDP based on total weight of the final treated product will give excellent control against bacteria and mold organisms. For certain items which may be subjected to extended outdoor weathering, a level of 2.5% should be evaluated.

Do not use MICROPEL 2 DIDP where the treated plastic materials can come in contact with humans or pets or be used as food or feed packing material or as food contact surfaces.

STORAGE & DISPOSAL

Do not contaminate water, food, or feed by storage.
PESTICIDE STORAGE: Do not store in the presence of food or feed. OBPA that cannot be used according to label instructions must be disposed of according to Federal or approved State procedures under subtitle C of the Resource Conservation and Recovery Act (RCRA).
PESTICIDE 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: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risks of use and/or handling of this material when such use and/or handling is contrary to label.

81348-6

09/30/2004

1/3

MICROPEL®

P.O. Box 434
Florham Park, New Jersey 07932

2/3

TECHNICAL USE BULLETIN MICROPEL 2 DIDP Bacteriostatic and Fungistatic Additive for Plastic Compounds

DESCRIPTION

MICROPEL 2 DIDP antimicrobial are solutions of 10,10'-oxybisphenoxarsine (OBPA) in selected nonvolatile plasticizer carriers. They are recommended for PVC, polyurethane and other plastics and synthetic rubbers. Low concentrations of MICROPEL 2 DIDP antimicrobials will provide long-term protection of treated articles against a broad spectrum of bacterial and fungal deterioration and will help prevent musty odors, permanent staining, embrittlement, and premature product failure due to growth of organisms in the finished product.

APPLICATION

MICROPEL 2 DIDP antimicrobials are 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 – wall coverings, 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 2 DIDP solutions are compatible with most polymer formulations and will not discolor or detract from the protected product's chemical or physical properties. MICROPEL 2-DIDP products can be conveniently incorporated into the formulation.

Properly formulated plastics with MICROPEL 2 DIDP antimicrobial protection will resist microbiological deterioration after long-term exposure to heat and severe weathering conditions.

This product should not be used in treated articles which are intended to contact food or drinking water.

RECOMMENDED USE LEVELS OF MICROPEL 2 DIDP

Interior Applications: 1.5% based on the total weight of the compound.

Exterior Applications: 2.5% based on the total weight of the compound.

MICROPEL 2 DIDP formulations are incorporated into a compound by substituting the required level (1.5% or 2.5%) for an equal amount of plasticizer or polyol. For example, in a 1000 lb batch containing 300 lbs of plasticizer and requiring a 2.5% MICROPEL 2 DIDP antimicrobial level, 25 lbs of the plasticizer or polyol would be replaced with 25 lbs of appropriate MICROPEL 2 DIDP.

HANDLING PRECAUTIONS

In the undiluted form, MICROPEL 2 DIDP antimicrobials are skin irritants and contact with the skin or eyes should be avoided. If MICROPEL 2 DIDP antimicrobial 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 2 DIDP antimicrobial solutions are harmful if swallowed and should be kept out of the reach of children.

MICROPEL 2 DIDP antimicrobials are toxic to fish and wildlife. MICROPEL 2 DIDP antimicrobials should not be discharged where it will drain into lakes, streams, ponds, or public water.

Wear eye protection and rubber gloves when handling.

MICROPEL 2 DIDP formulations should only be used as specified on the labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Triple rinse empty containers and offer for recycling or reconditioning. Metal drums that cannot be reconditioned and recycled should be punctured or crushed and disposed of in landfill, or other procedures approved by state and local authorities.

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.