

51036-89

12/11/2001

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<b>RESTRICTED USE PESTICIDE</b>
<b>THIS PRODUCT IS A RESTRICTED USE PESTICIDE DUE TO WORKER AND ECOLOGICAL RISK.</b>
<b>FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION</b>

**ETHION 4EC**

Miticide-Insecticide For Agricultural or Commercial Use Only

**ACTIVE INGREDIENT:**

Ethion (0,0,0'-0'-tetraethyl S.S'-methylene bisphosphorodithioate .....	46.5%
INERT INGREDIENTS:* .....	<u>53.5%</u>
TOTAL .....	100.0%

\*Contains petroleum distillate 4 Pounds Ethion per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

<b>FIRST AID</b>
<b>IF SWALLOWED:</b>
• Call a 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 a poison control center or doctor.
• Do not give anything by mouth to an unconscious person.
<b>IF INHALED:</b>
• 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
<b>IF IN EYES:</b>
• Hold eye open and rinse slowly and gently with water for 15-20 minutes.

**ACCEPTED**

DEC 11 2001

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 51036-89

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- 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 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.

NOTE TO PHYSICIAN: Active ingredient is a cholinesterase inhibitor. Patient should be kept under observation for 48 hours. Atropine is antidotal. Give 4 mg. Atropine sulfate intramuscularly or intravenously as soon as cyanosis is overcome. Repeat every 15 minutes until patient is fully atropinized. Pralidoxime (2-PAM) is also antidotal and should be administered in conjunction with Atropine. Never give morphine.  
See additional Precautionary Statements Elsewhere on label

EPA Reg. No. 51036-89

EPA Est. No. 51036-GA-001

Manufactured By:  
 MICRO FLO COMPANY LLC  
 P.O. BOX 772099  
 MEMPHIS, TN 38117

**PRECAUTIONARY STATEMENTS**  
 Hazards To Humans And Domestic Animals

**WARNING**

May be fatal if swallowed or absorbed through skin. May cause eye injury. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist.

**EMERGENCY TELEPHONE NUMBERS:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact:

- (800) 424-9300 CHEMTREC (transportation and spills)
- (800) 900-4044 Poison Control Center (human health)
- (800) 345-4735 ASPCA (animal health)

**PERSONAL PROTECTIVE EQUIPMENT**

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Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators and other handlers supporting airblast applications must wear:

1. Long-sleeved shirt and long pants
2. Shoes plus socks
3. Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or viton gloves.
4. Chemical-resistant apron for mixers and loaders and persons exposed to concentrate

See Engineering Controls for additional requirements

Mixers, loaders, and applicators supporting high-pressure handgun applications from truck or trailer-mounted tanks must wear:

1. Coveralls over long-sleeved shirt and long pants
2. Chemical-resistant footwear plus socks
3. Chemical-resistant gloves
4. Chemical-resistant apron for mixers and loaders and persons exposed to concentrate
5. A NIOSH-approved dust/mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any R, P, or HE filter.
6. Chemical-resistant headgear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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USER SAFETY RECOMMENDATIONS

Users should:

- 1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

Mixers and loaders must:

- use a closed mixing/loading system with a dry disconnect system designed by the manufacturer to enclose the liquid pesticide to prevent it from contacting handlers or other people AND the system must be functioning properly and must be used and maintained in accordance with the manufacturer's written operating instructions.

Mixers and loaders must also:

- wear the personal protective equipment required for mixers/loaders in the PPE section of this labeling
- wear protective eyewear if the system operates under pressure, and
- have immediately available for use in case of accident:
  - a. A dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or
  - b. A NIOSH-approved respirator with any R,P, or HE filter, and
  - c. Coveralls and chemical-resistant footwear

Applicators using airblast equipment must use an enclosed cab, defined as a cab with a nonporous barrier that totally surrounds the occupants and prevents contact with pesticides outside of the cab. The enclosed cab must meet the requirements in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(5)] for inhalation protection providing at least as much respiratory protection as the type of dust/mist filtering respirator specified in the PPE section of this labeling.

Alternatively, applicators using airblast equipment may use an enclosed cab that meets the definition in the Worker Protection

Standard for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, applicators using this type of cab must wear the type of dust/mist filtering respirator specified in the PPE section of this labeling.

All such applicators, regardless of which type of enclosed cab that they are using, must also:

- 1. wear the personal protective equipment required in the PPE section of this labeling for applicators using airblast equipment
- 2. be provided and must have immediately available for use in an emergency when they must exit the cab in a treated area: coveralls, chemical-resistant gloves, chemical-resistant headgear, if overhead exposure, and a respirator of the type specified in the PPE section of this labeling,
- 3. take off any PPE that was worn in the treated area before reentering the cab, and
- 4. Store all such PPE in a chemical-resistant container, such as a plastic bag.

ENVIRONMENTAL HAZARDS

This chemical is toxic to wildlife. Fish and aquatic invertebrates may be killed in areas where this pesticide is used. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Spray last three rows windward of surface water, using nozzles on the grove side only, with spray directed away from the surface water. Avoid spray going over the tops of trees by adjusting or turning off top nozzles. Shut off nozzles on the side away from the grove when spraying the outside row. Shut off nozzles when turning at ends of rows and passing gaps in rows. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system.

DIRECTIONS FOR USE

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

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Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

This product may only be applied to citrus.

Do not allow spray to drift from the application site and contact people, structures people occupy at any time, non-target property on which those structures are located, animals, non-target crops, parks and recreation areas, aquatic and wetland areas, forests, pastures, and rangelands.

For airblast applications, apply only when wind speed is 10mph or less at the application site, as measured by an anemometer outside of the orchard on the upwind side.

The applicator must use all other measures necessary to control drift in addition to the drift control measures listed above.

The sale and distribution of this product by the registrants is prohibited after December 31, 2003. The sale and distribution of this product by anyone other than the registrants is prohibited after October 1, 2004. The use of this product is prohibited after December 31, 2004.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of five days: Exception: In addition to early-entry exceptions allowed by the WPS, you may enter and or allow workers/handlers to enter treated areas to perform irrigation and or/scouting tasks 3 days after application, as long as at least long pants, long-sleeved shirt, shoes, and socks are worn. Notify workers of the exception (including when entry is permitted for each of the tasks named in the exception) by warning them orally OR by posting warning signs at the entrances to treated areas.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves made of waterproof material
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposures.

Double Notification Statement: Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not use or store near heat, open flame or hot surfaces. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

IN CASE OF SPILL, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

TO CONFINE SPILL: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to

prevent dispersal. Place damaged package in a holding container. Identify contents.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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 procedures approved by state and local authorities. Do not cut or weld metal containers.

#### USE RESTRICTIONS

Do not use in undiluted form. Do not use if material does not emulsify. Apply the listed amount per acre when insects first appear and repeat once if required to maintain effective control (apply only a single application to Lemons and Limes). Use in no less than 250 gallons of water per acre as a ground application.

This product may only be applied to citrus by air blast sprayer or for spot treatment of snow scale on citrus, via high-pressure handgun attached to a truck or trailer mounted tank. All other application methods are prohibited.

The following restrictions apply to airblast applications:

1. Airblast outside three rows from outside the grove with nozzles of sprayer on grove side only.
2. Nozzles facing away from the grove must be turned off.
3. Shut off spray when turning at end of rows and when passing gaps in tree rows.
4. Direct spray away from bodies of water. Do not apply with aerial equipment. Coverage of upper and lower leaf surfaces is essential for good control. Observe use limitations. If insect control is required beyond the following use patterns, supplement the control program with other suitable pesticides.



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Observe days interval between last application and harvest indicated by number in ( ) following the crop.

GRAPEFRUIT (0), LEMONS (21), LIMES (15), ORANGES (0), TANGELOS (15), TANGERINES (15): (For use in Florida and Texas only)

To control Brown Citrus Aphid, Citrus Red Mite, Citrus Rust Mite, Sixspotted Mite, Texas Citrus Mite, Black Scale, Brown Soft Scale, California Red Scale, Chaff Scale, Florida Red Scale, Glover Scale, Purple Scale, Snow Scale, Yellow Scale, Citrus Whitefly - Apply 3 to 4 pints per acre in not less than 250 gallons of water per acre for a final concentration of 0.01 lb ai/gal. Refer to airblast application restrictions under "USE RESTRICTIONS" section above. Use the higher rate on groves that have mature trees with more foliage to cover. If a summer oil is used in spray mixture, consult the oil label for use directions and precautions. Use the spray oil at a rate of 0.5 to 0.7 percent of the finished spray. Applicators of spot treatments for snow scale must use no more than 2.5 lbs ai/day, diluting to 250 gallons for a final concentration of 0.01 lb ai/gal. Applications for snow scale must not exceed more than 250 gal. of material diluted in this way each day. The application rate is 3-5 gallons per tree to the trunk and limbs on trees where snow scale is present. For Whitefly, apply shortly after Whiteflies have laid their eggs. Do not apply more than once on Lemons and Limes; on other citrus crops listed, do not apply within 90 days of previous application and do not apply more than twice per crop. Do not apply oil within 3 weeks of a sulfur application. Do not use oil on Navel oranges. Do not apply more than a total of 1 ¼ gallons of Ethion 4EC (5 lbs. of active ingredient) per acre per year.

#### CONDITIONS OF SALE

MICRO FLO WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSE STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS FOR USE. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF MICRO FLO. IN NO CASE SHALL MICRO FLO BE LIABLE FOR THE CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR

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HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, MICRO FLO MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

Read all directions carefully.