

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460  <b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide          and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 51036-90	DATE OF ISSUANCE 7/21/89
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT Dithionon	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Micro-Flo Company  
 Route 1, Box 10  
 Sparks, CA 95676

171  
18

~~177~~  
231,948  
1

**NOTE:** Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 2(d)(2)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 2(d)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 51036-90."
- b. The label must include a Statement of Practical Treatment appropriate for the inhalation route of exposure, such as the following:

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

c. The skull and crossbones must appear on the front panel in immediate proximity to the word POISON.

ATTACHMENT IS APPLICABLE

**BEST AVAILABLE COPY**

SIGNATURE OF APPROVING OFFICIAL	DATE
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- d. Apparently, parts of the fourth and fifth sentences in the second paragraph on page 9 are inadvertently omitted from your labeling. Correct these sentences to read as they appeared on your previously submitted label, i.e., "When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers."
- e. On page 11, the fourth sentence of the first paragraph now reads: "With concentrate sprayers apply 50 to 100 gallons of spray to 3 pints per acre."

Correct this sentence to read as it appeared on your previously submitted labeling, i.e., "With concentrate sprayers, apply 50 to 100 gallons of spray per acre. Citrus thrips: California and Arizona only: Use 2 1/2 to 3 pints per acre."

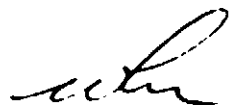
3. Submit your revised Confidential Statement of Formula (CSF) showing the following corrections:

- a. Complete column 11 to show the name and address of your supplier for the Technical Ethion used in the formulation of your product.
- b. A narrower range between the upper and lower certified limits should be provided for the solvent listed on your CSF. The upper certified limits should be lowered to 3.014 or lower. Please refer to 40 CFR 158.175 regarding certified limits.

4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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



William H. Miller  
 Product Manager (16)  
 Insecticide-Rodenticide Branch  
 Registration Division (H7505C)

Enclosures

**BEST AVAILABLE COPY**

JUL 21 1989

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

**RESTRICTED USE PESTICIDE**

57036-90

**Due To Dermal and Inhalation Toxicity**

**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**

**ETHION 8 EC**

**Insecticide - Miticide**

**ACTIVE INGREDIENT:**

**Ethion (O,O,O,O'-tetraethyl S,S'-methylene  
bisphosphorodithioate**

**81.9%**

**INERT INGREDIENTS\*:**

**18.1%**

**TOTAL 100.0%**

**Contains 8 Pounds Ethion Per Gallon**

**\*Contains Xylene Range Aromatic Solvent**

**KEEP OUT OF CHILDREN  
POISON**

**DANGER PELIGRO**

**PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta  
que la etiqueta haya sido explicada ampliamente.**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or poison control center. Drink 1 or 2  
glasses of water and induce vomiting by touching back of throat with finger.  
Never give anything by mouth to an unconscious person. Get medical  
attention. If breathing has stopped, start artificial respiration immediately  
and maintain until a doctor sees victim.

**IF IN EYES:** Flush with water for 15 minutes and get immediate medical  
attention.

**IF ON SKIN:** Wash with plenty of soap and water. Remove contaminated  
clothing and shoes. Get medical attention.

**See Side Panels For Additional Precautionary Statements**

**EPA Reg. No. 51036-ON**

**EPA Est. No. 51036-GA-1**

**Manufactured By  
MICRO FLO COMPANY  
P.O. BOX 5948  
LAKELAND, FLORIDA 33807**

NET CONTENTS: \_\_\_\_\_

88 Rev. A

50F9

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

**DANGER**

Fatal if swallowed, inhaled or absorbed through skin. Do not breathe vapor or spray mist. Do not get in eyes, on skin or on clothing. Wear a mask or pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health. Wash hands, face and arms thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash with soap and hot water before reuse. Wear protective clothing and rubber gloves.

**NOTE TO PHYSICIAN:** Active ingredient in 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. 2-PAM is also antidotal and may be administered in conjunction with atropine.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and wildlife. Keep out of lakes, ponds and streams. Do not contaminate water by cleaning of equipment or disposal of wastes and containers. Shrimp and crab may be killed at application rates recommended on this label. Do not apply when these are important resources. Do not apply when weather conditions favor drift from the areas treated. Do not apply where run-off is likely to occur. Apply this product only as specified on this label.

This product is toxic to bees and should not be applied when bees are actively visiting the area.

**DIRECTIONS FOR USE**

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

**CHEMIGATION PROHIBITION**

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

**RE-ENTRY STATEMENTS**

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas for 24 hours unless appropriate protective clothing is worn.

Protective clothing means at least a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body including the arms and legs), shoes and socks.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure. An example of such information is given under written warnings. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason. Written warnings must include the following information:

#### DANGER

Area treated with Ethion on (insert date). Do not enter without appropriate protective clothing for 24 hours (insert State Department of Agriculture's re-entry interval, if more restrictive).

In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

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#### STORAGE AND DISPOSAL

**PESTICIDE STORAGE:** Do not store below 0 degrees F, (-18 degrees C). 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 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 procedures approved by state and local authorities. Do not cut or weld metal containers.

### GENERAL DIRECTIONS

NOT FOR USE OR STORAGE IN OR AROUND THE HOME.

DO NOT USE IF MATERIAL DOES EMULSIFY.

Apply the listed amount per acre when insects first appear and repeat as required to maintain effective control. Use in sufficient water for thorough coverage with dilute or concentrate sprayers, unless otherwise noted for listed crops. 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. When applying this material by aircraft, mix the recommended amount with sufficient water to provide a minimum of 1 gallon finished spray per acre. Where more than 2 quarts are recommended mix with sufficient water to provide a minimum of finished spray equal to twice the amount of Ethion 8 used. Do not use in undiluted form. Observe days interval between last application and harvest indicated by the number ( ) following the crop.

**APPLES** (Dormant or Delayed Dormant): Apple Aphid, European Red Mite, Rosy Apple Aphid, San Jose Scale - 4.8 fluid ounces plus 2 gallons dormant oil per 100 gallons water. (Superior type oil of 60 to 70 second viscosity preferred for delayed dormant use). **Summer:** Brown Mite, European Red Mite, Twospotted Spider Mite - Use 1/4 pint per 100 gallons of water (maximum of 2 1/2 pints per acre). Apply during the fruiting period. If making no more than 4 applications, wait 40 days before harvest; if making no more than 3 applications, wait 30 days before harvest; if making no more than 2 applications, wait 20 days before harvest. **Codling Moth** - Use 1/2 pint per 100 gallons of water (maximum of 5 pints per acre). If making no more than 4 applications, wait 60 days before harvest; if making no more than 2 applications, wait 40 days before harvest. Apply at petal fall and every 10 to 14 days thereafter until control is achieved. Do not use Ethion on Astrachen, Pratt, Melba, N.J. No. 3 (Brite Mac), Wealthy, Williams Red (Red Williams), Yellow Transparent or any variety maturing with or before Early McIntish as injury is likely to occur.

**CUCUMBERS (0): SUMMER SQUASH (0):** Serpentine Leafminer, Twospotted Spider Mite - 8 fluid ounces per acre.

**GRAPEFRUIT (0), LEMONS (21), ORANGES (0), TANGELOS (0), TANGERINES (0):** Citrus Red Mite, Citrus Rust Mite, Sixspotted Mite, Scales (Black, Brown Soft, Californic Red, Purple, Yellow Chaff, Glover), and Citrus Whitefly. For Mites - Use 2 to 6 pints per acre in sufficient water for thorough coverage. Use the higher rate for large trees or when infestations are severe. For Mites, Scales

and Citrus Whitefly - Use 5 to 7.5 pints per acre in sufficient water for thorough coverage combined with 0.5 to 0.7% summer oil (Florida and Texas area) or same rate combined with 1 to 2 gallons summer oil for West Coast. For Whitefly, apply shortly after eggs have been laid. Do not apply more than 2000 gallons spray per acre. With concentrate sprayers apply 50 to 100 gallons of spray to 3 pints per acre. Apply when Thrips first appear and before they exceed 2 to 3 thrips per leaf. Do not apply more than once per season on lemons. On grapefruit, oranges, tangelos and tangerines do not apply within 90 days of previous application. On tangerines do not apply more than twice per season. Do not apply oil within 3 weeks of sulfur application.

GRAPES (30): Grape Leafhopper, Twospotted Spider Mite, Willamette Mite (West Coast insects) - Use 1 to 2 1/4 pints per acre. When used at rates of 1 1/4 pints per acre or less, do not apply within 30 days of harvest or more than twice during the fruiting period; or do not apply within 60 days of harvest with no limit on the number of applications per season. At rates above 1 1/4 pints per acre, make only 1 application per season. Do not apply to Salvador, Muscat or Fehr-Szago varieties of grapes.

MELONS (0): Melon Leafminer, Serpentine Leafminer, Twospotted Spider Mite - Use 1/2 pint per acre. Melon Leafhopper - Use 3/4 to 1 pint per acre in a minimum of 5 gallons of water per acre by ground. Petrobia Mite (California only) - Use 1/2 to 1 pint in a minimum of 10 gallons of water per acre.

ORNAMENTALS (Greenhouse): Millipedes - Soil Treatment: Use 5 fluid ounces in 75 gallons of water and apply to 2,500 square feet of bench space wear mask or respirator approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health for Ethion protection. (Outdoors): Twospotted Spider Mite - Use 4 fluid ounces per 100 gallons of water. May cause some needle drop on Anderson Yew.

PEARS (Dormant or Delayed Dormant): Brown Mite, European Red Mite, San Jose Scale - 6 fluid ounces plus 1 to 2 gallons dormant oil per 100 gallons water. Summer: Brown Mite, European Red Mite, Twospotted Spider Mites - Use 1/4 to 1/3 pint per 100 gallons of water (maximum of 2 1/2 pints per acre). Do not make more than 3 applications after the first cover spray nor apply within 30 days of harvest; or do not make more than 2 applications after the first cover spray nor apply within 20 days of harvest. Pear Psylla - Use 1/3 to 1/2 pint per 100 gallons of water. (Maximum of 5 pints per acre). Apply just before bloom if insects are present. Repeat 30 days later if necessary. Do not make more than 3 applications after the first cover spray nor apply within 60 days of harvest.

TURF (Commercial Use): Chinch Bugs, Sod Webworm - Use 1/4 pint per 1000 square feet of turf applied in 20 gallons of water or 1 1/4 pints in 100



gallons of water to treat 5000 square feet. To treat one acre, use 7 to 9 pints applied in 800 gallons of water. It is important that the spray penetrates through the mat of turf to reach the insects. It helps to have the turf well irrigated prior to treatment. **CAUTION:** Keep children and animals off treated areas until this material has been thoroughly watered into the soil and the turf has completely dried.

**WALNUTS (Dormant or Delayed Dormant):** Overwintering eggs of European Red Mite, Brown Mite, San Jose Scale and Soft Scale (West Coast only) - Use 2 pints per acre with 2 gallons of a dormant oil in a minimum of 100 gallons of water. This treatment should only be used on trees that have not suffered from lack of moisture at any time during the growing season. Oil should not be applied to orchards when soil moisture is low. Do not graze livestock in treated groves. **Summer:** European Red Mite, Twospotted Spider Mite, Walnut Aphid, and Walnut Husk Fly (California only) - Use 2 1/2 pints per acre. Do not make more than 2 applications during the fruiting period. Do not apply after husks split. Do not graze livestock in treated groves.

#### **CONDITIONS OF SALE**

All statements concerning the use of this product apply only when used as directed. **THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL.** Read all directions carefully.