

PM 04

5481-270

9/30/98

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SEP 30 1998



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

5542928

Mr. John C. Wood  
Regulatory Manager  
Amvac Chemical Corporation  
2110 Davie Avenue  
City of Commerce, CA 90040

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Dear Mr. Wood:

Subject: Risk Reduction Proposals  
Ethion 4 Miscible for Citrus  
EPA Registration No. 5481-270  
Agency Letter of March 20, 1998  
Labeling Submitted May 14, 1998

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable, provided that you:

Submit one copy of your final printed labeling incorporating the following correction before you release the product for shipment.

1. Delete the label statement regarding the use of human flaggers since aerial application has been deleted from the label.

2. In the Personal Protective Equipment (PPE) section of the Worker Protection Standard labeling, make the corrections described below. Refer to 40 CFR 156.212 sections (e) and (i)(1) through (3) for guidance regarding the need for such PPE.

a. Add the use of protective eyewear to the PPE for applicators and other handlers.

b. Add the use of chemical resistant headgear for overhead exposure to the PPE for applicators.

c. Add the use of a chemical-resistant apron when cleaning equipment.

3. In the PPE section for early entry into treated areas, add the use of protective eyewear and protective headgear. As specified in 40 CFR 156.212(j), the early entry PPE includes the statements specified for applicators and other handlers, except for respiratory protection statements.

4. Correct the statement of practical treatment for the ingestion route of exposure to reflect the aspiration hazard due to the presence of petroleum distillates in the product. Include

instructions not to induce vomiting unless advised to do so by medical personnel.

5. Specify the maximum number of applications per crop as two per year as specified in the Agency letter of March 20, 1998.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of this condition.

A stamped copy of the label is enclosed for your records.

Sincerely,



Marilyn A. Mautz  
Biologist  
Insecticide-Rodenticide Branch  
Registration Division (7504C)

# AMVAC

## ETHION 4 MISCIBLE for CITRUS

### Insecticide - Miticide

FOR AGRICULTURAL OR COMMERCIAL USE ONLY

**ACTIVE INGREDIENTS:**

Ethion (0,0,0',0'-Tetraethyl S,S'methylene bisphosphorodithioate) .....

**INERT INGREDIENTS:**.....

Total

46.5%  
53.5%  
100.0%

3/5  
ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
SEP 30 1998  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

5481-270

Contains Petroleum Distillates  
Contains 4 lbs. of the organophosphate 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 the label, find someone to explain it to you in detail.)

#### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF ON SKIN:** Get medical attention.

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

**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.

**ANTIDOTE - NOTE TO PHYSICIAN:** Active ingredient is an organophosphate and 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. Pralidoxine (2-PAM) is also antidotal and should be administered in conjunction with atropine. Never give morphine.

#### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**WARNING:** May be 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.

#### PERSONAL PROTECTIVE EQUIPMENT

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

**Applicators and Other Handlers (other than mixers/loaders) must wear:**

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate, nitrile or neoprene rubber, or viton
- Chemical-resistant footwear plus socks

**Mixers and Loaders must wear:**

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate, nitrile or neoprene rubber, or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant apron
- For exposure in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)
- For exposure outdoors, a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

EPA Reg. No.: 5481-270

EPA Est. No.: 5481-CA-1

### AMVAC CHEMICAL CORPORATION

4100 East Washington Blvd., Los Angeles, CA 90023 U.S.A

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/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Human Flaggers Must Be in Enclosed Cabs**

The enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d), Parts 4-6]. The handler PPE requirements may be reduced or modified as specified in the WPS.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d), Parts 4-6], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations**

**Users should:**

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

**Environmental Hazards**

This pesticide is toxic to fish and aquatic invertebrates. Fish and aquatic invertebrates may be killed in areas where this pesticide is used. Do not contaminate water when disposing of equipment washwaters. This product is toxic to bees and should not be applied when bees are actively visiting the area. Do not allow this material to drift onto neighboring crops or noncrop areas or use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

**Physical/Chemical Hazards**

*Do not use or store near heat or open flame.*

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. If you feel sick in any way, STOP work and get help right away. See "STATEMENT OF PRACTICAL TREATMENT" section of this label. 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.

**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 (PPE) and restricted-entry interval (REI). 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 48 hours. 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, such as barrier laminate, nitrile or neoprene rubber, or viton; and chemical-resistant footwear plus socks.

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 as required to maintain effective control. Use in sufficient water for thorough coverage, 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. Observe interval in days between last application and harvest indicated by number in ( ) following crop.

For use in Florida and Texas only. Grapefruit (0), Lemons (15), Limes (15), Oranges (0), Tangerines (15), Tangelos (15)

To control Citrus Red Mite, Citrus Rust Mite, Sixspotted Mite, Texas Citrus Mite, Snow Scale, Citrus Whitefly, Citrus Blackfly - Use 5 pints of Ethion 4 Miscible (2.5 pounds active ingredient) per acre.

To control 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, Citrus Blackfly - Use 5 pints of Ethion 4 Miscible (2.5 pounds active ingredient) per acre plus 0.5% to 0.7% summer oil. Where Snow Scale is a problem, spray trunk, limbs and twigs thoroughly. Apply in sufficient water for good coverage but not less than 250 gallons of water per acre by ground equipment.

Applications should not be made less than 90 days apart. Do not apply more than 5 pounds of active ingredient per acre per year. Do not use Ethion 4 Miscible plus oil on Navel oranges. Refer to oil label for Use Directions and Precautions.

Aerial applications are prohibited.

Restrictions on airblast applications:

- Airblast outside three rows from outside the grove with nozzles of sprayer on grove side only.
- Nozzles facing away from the grove must be turned off.
- Shut off spray when turning at end of rows and when passing gaps in tree rows.
- Direct spray away from bodies of water.

**STORAGE AND 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 incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. *Returnable/Refillable Sealed Containers:* Do not rinse container. Do not empty remaining formulated product. Do not break seals. Return intact to point of purchase.

**IMPORTANT: PLEASE READ BEFORE USE**

By using this product, the user accepts the following: LIMITED WARRANTY:

AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions; and that the directions, warnings, cautions, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, or residues on food crops, and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants, in all states, or under all application, weather and crop conditions.

There are no express warranties other than those set forth herein. Amvac neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Amvac expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance.

This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions.

User's exclusive remedy and Amvac's or Sellers exclusive liability for any claim, loss, damage, or injury resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort, or otherwise shall be limited, at Amvac's option, to replacement of, or repayment of the purchase prices for, the quantity of product with respect to which damages are claimed. In no event shall Amvac or Seller be liable for special indirect, or consequential damages resulting from the use of handling of this product.

For the following Emergencies, phone 24 hours a day:

Transportation - Chemtrec..... 1 -800-424-9300

Medical: Hazard Information Services (HIS)..... 1-800-228-5635 ext. 169