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5481-270

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 4 1995

5474801 $\frac{336}{17}$

Ms. Jeannie K. Smith
Amvac Chemical Corporation
4100 E. Washington Bld.
Los Angeles, CA 90023

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

474804 $\frac{310}{17}$

Dear Ms. Smith:

Subject: Deletion of Apples, Peaches and Ornamentals
Addition of Grapefruit, lemons, Limes, Oranges,
Tangelos and Tangerines
EPA Registration No. 5481-270
Your Application and Labeling Dated August 4, 1994, As
Corrected September 29, 1994

The labeling 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.

Include a separate PPE section specifying what "Mixers and
Loaders" must wear. Under the paragraph for Personal Protective
Equipment correct the current heading, "Applicators and other
Handlers" to read as follows: "Applicators and other Handlers
(other than mixers/loaders) must wear."

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 yours,

Robert A. Forrest
Product Manager (14)
Insecticide-Rodenticide Branch
Registration Division (7504C)



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 4 - 1995

AMVAC ETHION 4 MISCIBLE
FOR CITRUS
Insecticide - Miticide

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

5481-270

For Agricultural or Commercial Use Only
EPA Reg. No. 5481-270
EPA Est. No. 5481-CA-1

Active Ingredients:	By Weight
Ethion (O,O,O',O'-Tetraethyl S,S'methylene bisphosphorodithioate).....	46.5%
Inert Ingredients:.....	53.5%
	<hr/>
	100.0%

Contains Petroleum Distillates
Contains 4 pounds 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.)

For Emergencies, Phone 24 hours:
Transportation: CHEMTREC 800-424-9300
Medical: Hazard Information Services (HIS) 800-228-5635 ext.169

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. 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.

Amvac Chemical Corporation
4100 East Washington Boulevard
Los Angeles, CA 90023 USA

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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 resistance category selection chart.

Applicators and Other Handlers:

Coveralls over short-sleeved shirt and short pants; Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton; Chemical-resistant footwear plus socks; Protective eyewear when mixing or loading; Chemical-resistant apron when mixing or loading; 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 exposures outdoors: Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

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 Flagger 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) (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 the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (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 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. 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 or Nitrile Rubber or Neoprene Rubber or Viton; and Chemical-resistant footwear plus socks.

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. Call FMC (800-331-3148).

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 of 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.

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

For use in Florida and Texas only. Grapefruit (0), Lemons (15), Limes (15), Oranges (0), Tangelos (15), Tangerines (15); To control Citrus Red Mite, Citrus Rust Mite, Sixspotted Mite, Texas Citrus Mite, Snow Scale, Citrus Whitefly, Citrus Blackfly—Use 5 to 6 pints of Ethion 4 Miscible (2.5 - 3.0 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 to 6 pints of Ethion 4 Miscible (2.5 - 3.0 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 or a minimum of 10 gallons of water per acre for aerial applications. Applications should not be made less than 90 days apart. Do not apply more than 9 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

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 (c) that the directions, warnings, cautions, and other statements on this label are based upon responsible expert evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of 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 a 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 seller's 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 price 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 or handling of this product.