

195

ACCEPTED
WITH COMMENTS
DATE: 1/11/83

DFC 1 1983

USE: ...
EPA ... Act
as ...
registered under EPA Reg. No.
1386-612


EPN 5 EC

ACTIVE INGREDIENTS:

*O-Ethyl O-p-nitrophenyl phenylphosphonothioate ...	56.00%
Xylene Range Aromatic Solvent	31.73%
INERT INGREDIENTS	<u>12.27%</u>
Total	100.00%

*Contains 5 lbs. EPN per gallon.

KEEP OUT OF REACH OF CHILDREN

DANGER  POISON

See Side Panels For Additional Precautionary
Statements and Statement of Practical Treatment

NET VOLUME:
PRODUCT

EPA Reg. No. 1386-612
EPA Est. No.



UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440

BEST DOCUMENT AVAILABLE

☠ DANGER-POISON-PRECAUTIONS ☠



CAN KILL YOU IF SWALLOWED
This product can kill you if swallowed even in small amounts: spray mist or dust may be fatal if swallowed.



CAN KILL YOU BY SKIN CONTACT
This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes)



CAN KILL YOU IF BREATHED
This product can kill you if vapors, spray mist or dust are breathed

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

**POISON ☠ POISON
DANGER**

Poisonous by Skin Contact, Inhalation, or Swallowing. Rapidly absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist.

PROTECTIVE CLOTHING AND EQUIPMENT REQUIRED

Wear clean protective clothing, goggles, and respirator approved by NIOSH or the American National Standards Institute when applying or handling, or when reentering fields within 24 hours of treatment. The following protective clothing must be worn: lightweight, unlined, natural rubber gloves at least midforearm in length; a wide brimmed waterproof hat or waterproof hood; a protective suit or coveralls of a nonpermeable, non-cloth material covering the body from ankles to wrists; lightweight, unlined, natural rubber boots at least midcalf in length; full-face respirators are recommended; half-face respirators and goggles are required. Aerial applicators in positive pressure cockpits and other applicators in comparable ground equipment with appropriate filters at all air intakes need not comply with these protective clothing requirements.

WORK SAFETY RULES

Keep all unprotected persons and children away from treated area or where there is danger of drift. For aerial applications, flagging must be by fully automated mechanical means or by humans working in totally enclosed vehicles.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. Call a doctor (physician), clinic or hospital - immediately. Explain that the victim has been exposed to EPN and describe his condition. After first aid is given (see Statement of Practical Treatment) and if a doctor cannot come, take victim to clinic or hospital.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating, or drinking.

AFTER WORK, take off all work clothes and shoes. Shower, using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Respirator should be cleaned and filter replaced according to instructions included with respirator.

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POISON SIGNS (Symptoms)

EPN is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Clothing wet with this material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die.

Some of the signs and symptoms of poisoning are: Headache, nausea, vomiting, cramps, weakness, blurred vision, pinpoint pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms, and coma.

STATEMENT OF PRACTICAL TREATMENT

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to EPN and describe his condition.

If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim. If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. See doctor immediately.

NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY

Antidote - administer atropine sulfate in large doses. TWO to FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT GIVE MORPHINE OR TRANQUILIZERS. EPN is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement: VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

POST TREATED AREA

Consult your State Agricultural Extension Service or Experiment Station regarding posting treated areas.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Birds and other wildlife feeding on treated areas may be killed. Keep out of any body of water. Do not apply where runoff is likely to occur.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops and weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.

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DIRECTIONS FOR USE

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

REENTRY STATEMENTS

Do not treat areas where unprotected humans or domestic animals are present. Do not allow entry into treated fields within 24 hours after treatment, unless full protective clothing is worn. Consult appropriate State regulatory officials for State reentry restrictions which take precedence when more restrictive than those stated on this label.

USE INSTRUCTIONS

Application can be made by aircraft or ground power equipment by trained personnel only using approved protective equipment. Do not apply with hand equipment. Do not apply this product when weather conditions favor drift from treated area. Do not apply to blooming cotton if bees are visiting the treatment area. Pour specified amount of this product into nearly filled spray tank. Add balance of water to fill tank. Keep agitator running during filling and spraying operations. Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder. Do not hand pick or harvest within 3 days of application. Do not feed treated forage or gin trash to livestock.

AIRCRAFT AND GROUND EQUIPMENT WATER RATES PER ACRE.

If applied by aircraft, the minimum amount of water per acre should be approximately 1 to 10 gallons, consistent with crop growth and good coverage. If applied with ground equipment, this rate should be approximately 5 to 10 gallons per acre.

FOR USE ON COTTON

INSECTS	PINTS PER ACRE
Thrips, yellow striped armyworm, cotton leafworm, cotton fleahopper, red spider mites	3/4 - 1
Boll Weevil	1 - 1 1/3
Bollworm, tobacco budworm, pink bollworm	1 1/2

TANK MIXTURES

This product may be tank mixed with Galecron 4E* or Fmdal 4EC*. When using these products in a tank mix observe all limitations and precautions which appear on the labels. Use the rate recommendations and application timings for the insect pest that is to be controlled as stated on these labels.

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STORAGE AND DISPOSAL

Storage

Do not store near heat or open flame.

Pesticide Disposal

Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

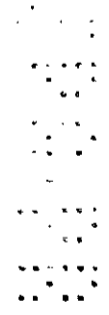
NOTICE

Use only for the purposes and in compliance with the limitations, cautions, or warnings stated on this label.

*Galecron 4E is a trademark of the Ciba-Geigy Corp.

*Fundal 4EC is a trademark of Schering A. E. Berlin/Bergkamen and distributed by NOR-AM Agricultural Products, Inc.

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DEC 1 1983

Ms. Diana Williams
Universal Cooperatives, Inc.
3001 Metro Drive, Suite 500
P.O. Box 460
Minneapolis, MN 55440

Dear Ms. Williams:

Subject: EPN 5EC
Reponse to EPN cancellation notice
EPA Registration No. 1385-612
Your Submission Dated October 24, 1983

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

TS-767:Ellenberger:DCR-28435:WANG-1253C:vq:Raven:479-2013:11/17/83

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CONCURRENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							

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