

10/10 7:05 5905-215 P1112

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JUN 22 1983

Helena Chemical Co.
5100 Poplar, Suite 3200
Memphis, TN 38137

Attention: Mr. Washburn

Gentlemen:

Subject: *Ethyl Parathion 4*
Helena ~~Brand 4 Tox - 4 Ethyl~~
EPA Registration No. 5905-215
Date of Application: April 11, 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.

This also acknowledges our acceptance of a new name and formula change for this product.

Submit five (5) copies of the final printed labeling prior to your releasing the product for shipment.

Sincerely yours,

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

Enclosure

162 9-1(b)(4) *delete active*
(f) -- *name change*

RD:Ellenberger/L.M.:DCR-28843:WANG-0803C:jjk:Faven:479-2023:6/06/83
REVISED:Ellenberger:DCR-28848:WANG-0975C:pjb:Raven:479-2023:6/05/83

CONCURRENCES

SYMBOL	SURNAME	DATE						
TS-767	Washburn	6/20/83						

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HELENA CHEMICAL COMPANY

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Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5905-215

CORPORATE OFFICE


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5100 Poplar Avenue
Memphis Tennessee 38137
Telephone 901/751-0050
Telex 8105911 S

RESTRICTED USE PESTICIDE
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION

HELENA
ETHYL PARATHION
Emulsifiable Insecticide Concentrate

ACTIVE INGREDIENTS:	BY WT
*O,O-diethyl O-p-nitrophenyl phosphorothioate.....	44.1%
Related compounds.....	2.1%
Xylene Range Aromatic Hydrocarbon solvent.....	49.1%
INERT INGREDIENTS.....	4.7%

This product contains 4 pounds Ethyl Parathion per gallon.
*Ethyl Parathion

KEEP OUT OF REACH OF CHILDREN
DANGER  POISON
See Side Panel for Antidote and Additional Precautions

EPA EST NO
EPA REG NO 5905-215

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Manufactured by
HELENA CHEMICAL COMPANY
Memphis, TN 38137

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER - POISON

Poisonous if swallowed, inhaled or absorbed through skin. Do not breathe vapor or spray mist. Do not get in eyes, on skin, or on clothing.

STATEMENT OF PRACTICAL TREATMENT

POISONING SYMPTOMS

Parathion is a very dangerous poison. It rapidly enters the body by 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, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms, and coma.

IF SWALLOWED: 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. Get medical attention.

IF IN EYES: Flush eyes with water for at least 15 minutes. Get medical attention.

IF ON SKIN: Wash with soap and water immediately. Remove contaminated clothing and shoes. See doctor immediately.

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

If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim.

NOTE TO PHYSICIAN

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. Parathion 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.

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VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS. Treat symptomatically.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds and other wildlife in treated area may be killed. Do not apply directly to lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on crops or weeds. Do not apply this product or allow it to drift to crops or weeds on which bees are actively foraging. Additional information may be obtained from your Cooperative Extension Service.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill 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.

Workers entering treated fields within 48 hours must wear protective clothing.

POST TREATED AREA

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

READ ENTIRE LABEL..USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTION, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. KEEP PESTICIDE IN ORIGINAL CONTAINER. USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING.

- (1) Wear water-proof pants, coat, hat, rubber boots or rubber over-shoes
- (2) Wear safety goggles
- (3) Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30CFR Part 11
- (4) Wear heavy duty, natural rubber gloves.

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WORK SAFETY RULES

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Keep all unprotected persons and children away from treated area or where there is danger of drift.

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 parathion and describe his condition. After first aid is given (see First Aid Treatment Section) 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 after filter replaced according to instructions included with respirator.

STORAGE AND DISPOSAL

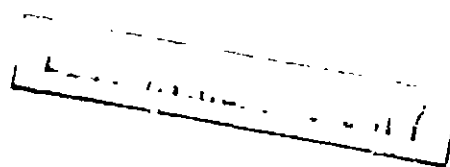
Do not use or store in or around the home. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Pesticide Disposal: Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved State procedures under Subtitle C of the Resource Conservation and Recovery Act.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other approved state and local procedures.

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RECOMMENDATIONS

Applications should be made in 3 to 10 gallons of spray solution per acre consistent with crop growth and good coverage. Applications made by air plane should be in a minimum of 1 to 3 gallons of spray solution per acre.

WHEAT, OATS AND BARLEY: For control of greenbug and other aphid cutworm and armyworm use 1 1/2 pints per acre. For chinch bug and grasshopper use 1 1/2 pints per acre. Do not feed forage to dairy animals or animals being finished for slaughter.

COTTON-EARLY SEASON CONTROL PROGRAM

Insect	Begin Treatment	Amount of this material per acre Ground Machines*
Thrips	4 leaf stage or earlier where necessary Apply	1/2-3/4 pts.
Fleahopper	2-4 applications at 7 day intervals	

MID AND LATE SEASON CONTROL PROGRAM

Boll Weevil, Fleahoppers, Lygus Bugs, Thrips	Tarnished & Rapid plant bugs, Cotton leaf worms, Army worms.	1 Pint
Bollworms		1 Qt

Start applications when insects are present in damaging numbers and repeat applications at 3 to 5 day intervals (depending upon severity of infestation) until infestation is under control.

*AIRPLANES In airplane applications of sprays and dusts it is essential to flag the swaths so they will meet or overlap.

Do not hand pick or harvest within 7 days of last application.

Do not graze dairy animals or animals being finished for slaughter in fields treated late in the season.

WARRANTY AND LIMITATION OF DAMAGES. Helena Chemical Company warrants that this material conforms to the chemical description of the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other expressed or implied warranty, including expressed or implied warranty of FITNESS or MERCHANTABILITY, and no agent of Helena Chemical Company is authorized to do so except in writing with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or value, etc.