

1000 1/26 1 # 5905-223 PM 12

JUN 22 1983

BEST AVAILABLE COPY

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

Attention: Mr. Washburn

Gentlemen:

Subject: Helena 1.5 lb. Methyl Parathion
EPA Registration No. 5905-223
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 the new name and formula change for this product.

You are reminded that skull and crossbones must appear on the front panel with the word poison (in red on a contrasting background).

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
(8) -- name change

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

CONCURRENCES

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

7/17/80 1.5# 5905-223 P/MC 12



ACCEPTED
with COMMENTS
In EPA Letter 10/22/82

HELENA CHEMICAL COMPANY

JUN 22 1983

CORPORATE OFFICE

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

Suite 3200 - Clark Tower
5100 Poplar Avenue
Memphis, Tennessee 38137
Telephone 901/761-0050
Telex 8105911595

5905-223


RESTRICTED USE PESTICIDE

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.

HELENA
1.5. LB METHYL PARATHION

ACTIVE INGREDIENT:	BY WT
*O,O-dimethyl O-p-nitrophenyl phosphorothioate.....	18.20%
Related compounds.....	0.96%
Xylene Range Aromatic Hydrocarbon Solvent.....	73.04%
INERT INGREDIENTS.....	7.80%
TOTAL.....	100.00%

This product contains 1.5 pounds Methyl Parathion per gallon.
*Methyl Parathion

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

EPA EST. NO.
EPA REG. NO. 5905-223

NET CONTENTS

Manufactured by
HELENA CHEMICAL COMPANY
Memphis, TN 38137

7400 5700 # 8905-225 P11 1.2

[L.L. ...]

PRECAUTIONARY STATEMENT
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.

Copy to # 510-200 11 12

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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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KEEP OFF THESE SIGNS

WORK SAFETY RULES

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.



100-1000 # 100-1000 1/11/12

GENERAL DIRECTIONS

- Prepare a spray mixture of Methyl Parathion as follows:
1. Add about half the total amount of water to be used to the spray tank (20 to 25 gallons of water per acre for ground equipment).
 2. Start agitator or pump bypass and add proper amount of this product.
 3. Continue mixing and add remaining water.

DIRECTIONS FOR USE ON COTTON

Do not hand pick or harvest within 7 days of last application. This product may be applied by either ground equipment or aircraft. For ground equipment, dilute in sufficient water to give adequate coverage. For aerial applications, dilute in 1 to 3 gallons of water per acre.

Early Season Program: Plant bugs and fleahoppers, use 1 1/4 to 1 1/2 pints Toxophene-Methyl Parathion per acre. Make two or three applications at 7 day intervals starting at the two-leaf stage. For thrip control only, use 1 to 1 1/4 pint per acre and for cutworms use 2 to 2 1/2 pints per acre.

Overwintering boll weevils, plant bugs, aphids, and cotton leafworms are controlled with 2 pints of this product per acre. Make repeat treatments at 7 day intervals as insect counts indicate they are necessary.

Late Season Control: Use 2 1/2 to 5 1/2 pints per acre to control boll weevils, bollworms and aphids. Use the higher rate for heavy bollworm outbreaks. Repeat applications at 5 to 7 day intervals as insect counts indicate they are necessary.

CAUTION: Do not apply within 7 days of hand picking.

(Workers entering fields within 24 hours after application should wear protective clothing.) Do not graze dairy animals or animals being finished for slaughter on treated fields.

DIRECTIONS FOR USE ON SOYBEAN

Apply 2 1/2 pints of this product per acre to control aphids, armyworms, bean leaf beetles, corn earworms, grasshoppers, green cloverworms, stink bugs, and velvetbean caterpillars. Apply suitably diluted with water. For aerial applications apply diluted insecticide at 1 to 3 gallons per acre.

CAUTION: Avoid spray drift. Do not apply less than 3 weeks before harvest. Do not feed treated plants or ensilage made from treated plants to poultry, dairy animals or animals being finished for slaughter. Do not feed soybean mill trash to livestock or poultry. Wildlife in treated areas may be killed.

Do not apply more than twice per growing season.

FOR ARMYWORM CONTROL IN SMALL GRAINS

(Do not feed treated forage to dairy animals or animals being finished for slaughter.)

Apply 2 1/2 pints per acre to control armyworms in wheat, oats, barley or rye. Apply suitably diluted with water. With aerial application, apply in a volume of 1 to 3 gallons per acre. Do not apply this product within 15 days of harvest.

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.