



**POISON - PRECAUTIONS**

**POISONOUS IF SWALLOWED**

This product can kill you if swallowed even in small amounts. Spray mist or dust may be fatal if swallowed.



**POISONOUS BY SKIN CONTACT**

Poisonous if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes.)



**POISONOUS IF BREATHED**

Breathing vapors, spray mist or dust may be fatal.

**POISONOUS TO FISH AND WILDLIFE**

This product is toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur. To protect bees, do not apply when crops are in bloom. Remove or cover hives if application is necessary during bloom. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

**DANGER**

**DANGER:** Poisonous if swallowed, inhaled, or absorbed through skin! Rapidly absorbed through skin.

**POISONING SYMPTOMS:** Headache, blurred vision, weakness, nausea, cramps, diarrhea, discomfort in chest.

**ANTIDOTE:** Atropine is the specific antidote. Obtain emergency supply of Atropine 1-100 grain tablets from your physician. Keep on hand.

**CALL A PHYSICIAN IMMEDIATELY** if persons handling or working with Parathion develop poisoning symptoms.

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

**FIRST AID TREATMENT**

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.

If swallowed and victim is awake (conscious) make him vomit quickly. Induce vomiting by sticking finger down throat or by giving soapy or strong salt water to drink. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Have victim lie down and keep quiet. See doctor immediately.

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.

**POST TREATED AREA**

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

**FOR ALL EMPTY CONTAINERS**

**DO NOT** re-use the container. Completely empty the contents and bury unused chemical at least 18 inches deep in an isolated location away from water supplies. **GLASS CONTAINERS:** Break the container and bury the pieces at least 18 inches deep in a isolated location away from water supplies.

**METAL CONTAINERS-**

**1-GALLON CANS-** Pour 1 pt. of water into empty can and add 1 tablespoonful household detergent. Rotate can carefully to wet all inner surfaces with the solution. Bury rinse solution at least 18 inches deep in an isolated location away from water supplies. Punch holes in top and bottom of cans, crush cans, and bury deeply in an isolated location.

**5-GALLON, 30-GALLON and 55-GALLON DRUMS-** Pour the following mixture into empty containers:

**5-GALLON DRUMS-** 2 qts. water, 1/2 cup caustic soda (household lye), 2 tablespoons of detergent.

**30-GALLON DRUMS-** 3 gallons water, 1 lb. caustic soda (household lye), 1/2 cup detergent.

**55-GALLON DRUMS-** 5 gallons water, 2 lb caustic soda (household lye), 1 cup detergent.

Rotate container until all inner surfaces are thoroughly wet. Bury the rinse solution at least 18 inches deep in an isolated area away from water supplies.

**CAUTION:** Handle caustic soda (household lye) with extreme care. Do not get on skin, in eyes, or on clothing. Read and carefully follow the precautions on package. Punch holes in top and bottom of container, crush container. Bury deeply in an isolated area.

**IF THE ABOVE RINSE METHOD CANNOT BE USED**

Punch holes in **TOP** of container and burn in hot fire until all paint has been completely burned off container. Extreme care should be exercised to insure that containers are completely empty and that persons stay well away from smoke and fumes. Do not attempt to burn more than 5 containers at one time.

**NOTE TO PHYSICIAN**

**ANTIDOTE-** 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** (2,3-dimethyl-5-phenylacetamide) 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. **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.**

**STOP-READ LABEL BEFORE USING!**

**POISON**

See Side Panels for Antidote & Precautions



**DANGER**

Keep Out of Reach of Children

**HELENA BRAND**

**4 LB. Methyl Parathion Emulsifiable Insecticide Concentrate**

1 gallon of HELENA BRAND 4 LB METHYL PARATHION contains 4 pounds of Methyl Parathion

| ACTIVE INGREDIENTS (by weight)                 |               |
|--|---------------|
| *O,O-dimethyl O-p-nitrophenyl phosphorothioate | 45.0%         |
| Xylese   | 50.0%         |
| INERT INGREDIENTS (by weight)                  |               |
|  | 5.0%          |
| <b>TOTAL</b>                                   | <b>100.0%</b> |
| *Methyl Parathion                              |               |

**DO NOT RE-USE THIS CONTAINER FOR ANY PURPOSE**

**MANUFACTURED BY HELENA CHEMICAL COMPANY**

West Helena, Ark. Tampa, Fla. Lubbock, Texas  
Des Moines, Iowa West Columbia, South Carolina

**PRECAUTIONS IN USE**

Do not apply or allow to drift to unprotected human or beneficial animals should not be re-entered until drifting residues have dissipated. Do not apply harvest. Workers entering fields with application should wear protective clothing. Dairy animals or animals being finished should not be in treated fields.

Highly toxic to wildlife. Birds feeding on ground should be killed.

Do not apply when weather conditions favor drift.

Do not contaminate any body of water areas not specified on the label.

Do not contaminate food or food products. Re-use empty containers to be decontaminated. Keep container closed.

Leaking containers should be removed from use and disposed of in an isolated location to prevent contact with humans or beneficial animals.

**GENERAL DIRECTIONS**

**HELENA 4 lb. Methyl Parathion** can be used on hydraulic sprayers, low-volume ground sprayers, airplane sprayers. Use this Product only for purposes of recommended dosages.

Mix with water, 10 gallons per acre for ground application, 1-3 gal. per acre for aerial application, while spraying. If allowed to stand, re-apply.

**DIRECTIONS FOR USE**

**INSECT CONTROL ON COTTON - HELENA 4 lb. Methyl Parathion** will control Aphids, Boll Weevil, Fleahopper, and some species of Spider.

Four Pound Methyl Parathion spray is recommended at the rate of 1 to 3 pints per acre depending on conditions. For timing of applications, consult a representative of Extension Service or Experiment Station for regional conditions and repeat applications as recommended.

**ACCEPTED**

**AUG 28 1959**

**UNDER THE FEDERAL INSECTICIDE AND RODENT FUNGICIDE ACT AS AMENDED (7 U.S.C. 136) UNDER NO. 590**

BEFORE USING!

# DANGER

Keep Out of Reach of Children

# NA

# D

# Parathion Concentrate

|                         |        |
|-------------------------|--------|
| INGREDIENTS (by weight) |        |
| O-p-nitrophenyl         | 45.0%  |
| thioate                 | 50.0%  |
| INGREDIENTS (by weight) |        |
|                         | 5.0%   |
| TOTAL                   | 100.0% |
| *Methyl Parathion       |        |

FOR ANY PURPOSE

PRODUCED BY  
**HELENA CHEMICAL COMPANY**  
 Lubbock, Texas  
 Columbia, South Carolina

### PRECAUTIONS IN USING

Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Vacated areas should not be re-entered until drifting insecticide and volatile residues have dissipated. Do not apply within 7 days of harvest. Workers entering fields within 24 hours after application should wear protective clothing. Do not graze dairy animals or animals being finished for slaughter in treated fields.

Highly toxic to wildlife. Birds feeding on treated areas may be killed.

Do not apply when weather conditions favor drift from areas treated.

Do not contaminate any body of water nor apply to any areas not specified on the label.

Do not contaminate food or food products. To prevent re-use, empty containers to be decontaminated and destroyed. Keep container closed.

Leaking containers should be removed to a safe place. Do not dispose of any unused material in such a manner that contact with humans or beneficial animals may occur.

### GENERAL DIRECTIONS

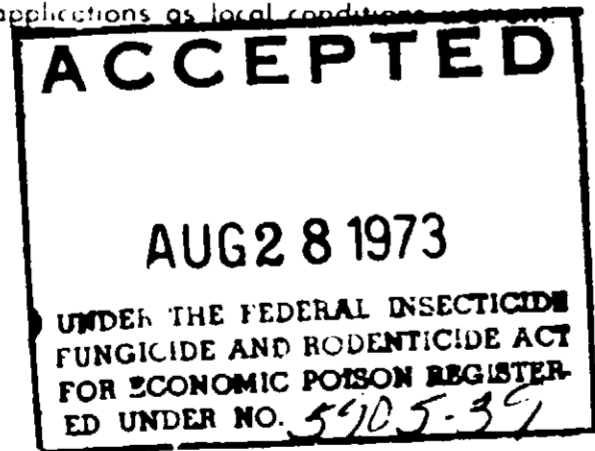
HELENA 4 lb. Methyl Parathion can be used in conventional hydraulic sprayers, low-volume ground applicators or airplane sprayers. Use this Product only for recommended purposes at recommended dosages.

Mix with water: 1 1/2 gallons per acre for ground application; 1/3 gal. per acre for aerial application. Agitate the mixture while spraying. If allowed to stand, re-agitate before use.

### DIRECTIONS FOR USE

**INSECT CONTROL ON COTTON - HELENA 4 lb.** Methyl Parathion will control Aphids, Boll Weevil, Cotton Leaf Worm, Fleahopper, and some species of Spider Mites.

Four Pound Methyl Parathion spray is recommended to be used at the rate of 1 to 3 pints per acre depending upon local conditions. For timing of applications, consult your local representative of Extension Service or Experiment Station and repeat applications as local conditions require.



### USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING

- (1) Wear water-proof pants, coat, hat, rubber boots, or rubber overshoes.
- (2) Wear safety goggles.
- (3) Wear mask or respirator approved by the U. S. Bureau of Mines for Parathion protection.
- (4) Wear heavy duty natural rubber gloves.

### 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 and filter replaced according to instructions included with respirator.

### POISON SIGNS (Symptoms)

Parathion is highly toxic to humans. It is rapidly absorbed by the body by contact with the skin, clothes and eyes. Clothing wet with this material should be removed immediately. Exposed persons must receive prompt medical treatment if they may die.

Symptoms of the acute poisoning include burning pain, headache, dizziness, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, nausea, vomiting, diarrhea, sweating, tremors, twitching, or twitching of mouth and nose, muscle spasms, and coma.

### NOTICE OF WARRANTY

Helena Chemical Company warrants that this material conforms to the chemical description on 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 express or implied warranty, including any other express or implied warranty of FITNESS FOR MERCHANTABILITY. This product is sold as is, with all faults, and is not warranted by the company. Any damage or loss resulting from the use of this product is the responsibility of the user. The user should consult the label for complete instructions and precautions.

E.P.A. Reg. No. 5905-39

NET CONTENTS

U.S. GALLONS