

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

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

STATEMENT OF PRACTICAL TREATMENT:

If swallowed and a victim is conscious and not convulsing: Call a physician immediately. Give a glass or two of water and induce vomiting by touching back of throat with finger. It is preferable to induce vomiting under medical supervision or to use gastric lavage with a cuffed endotracheal tube because of aspiration hazard. Remove victim immediately to emergency treatment facilities.

If swallowed and victim is unconscious: Clear the upper airway and administer mouth-to-mouth resuscitation. If heart beat is absent, administer cardiac resuscitation. Do not give anything by mouth. If convulsing, hold head back with jaw forward to keep upper airway clear. Transport immediately to emergency treatment facility, maintaining clear airway and administering artificial respiration.

If on skin: Remove by washing with soap and water. Get medical attention.

If in eyes: Flush the eyes with clean water for 15 minutes. Get medical attention.

If inhaled: Remove victim to fresh air. Transport immediately to emergency treatment facility.

INFORMATION FOR PHYSICIANS

Endrin is a CNS depressant and hepatotoxin. Toxic dosage causes convulsions, respiratory depression, and liver damage. Impaired respiration must be supported by oxygen given by mechanical ventilation. Diazepam is useful in controlling convulsions. Intravenous glucose and B vitamins help to protect the liver. There is no specific antidote. Do not give vegetable oils or milk (which increases GI absorption). Large amounts of activated charcoal and saline laxatives help to limit GI absorption. Do not give adrenergic agents (myocardial irritability). Excretion of endrin from the body may require days or weeks.

WORK SAFETY RULES

Wear clean synthetic gloves and a mask or a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and Health under the provisions of 30 CFR Part II. Wash thoroughly with soap and water after handling and before eating or smoking. Wear clean clothing daily.

REQUIRED CLOTHING FOR FEMALE WORKERS

For ground applicators, mixers and loaders and flaggers must wear long-sleeved shirts and long pants made of a close woven fabric and widebrimmed hats. Mixers and loaders must also wear rubber or synthetic rubber boots and aprons.

WARNING TO FEMALE WORKERS

The United States Environmental Protection Agency has determined that endrin causes birth defects in laboratory animals. Exposure to endrin during pregnancy should be avoided. Female workers must be sure to wear all protective clothing and use all protective equipment specified on this label. In case of accidental spills or other unusual exposure, cease work immediately and follow directions for contact with endrin.

Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals.

Do not contaminate feed and foodstuffs.

ENVIRONMENTAL HAZARDS

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 contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Procedures to be Followed if Fish Kills Occur or if Ponds are Contaminated.

In case of fish kills, fish must be collected promptly and disposed of by burial. Ponds in which fish kills have occurred, and user-owned ponds exposed to endrin by application at distances closer than otherwise prohibited must be posted with signs stating "Contaminated. No Fishing." Signs must remain for one year after a fish kill has occurred or for six months after lesser contamination unless laboratory analysis shows endrin residues in the edible portion of fish to be less than 0.3 parts per million (ppm). This pesticide is toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

PHYSICAL AND CHEMICAL HAZARDS
CAUTION: KEEP AWAY FROM HEAT OR OPEN FLAMES
PROTECT FROM TEMPERATURES BELOW 32° F.

DIRECTIONS FOR USE

For use on... (text is partially obscured)

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



HEL-CHEM 161
EMULSIFIABLE LIQUID

ACTIVE INGREDIENTS:

Endrin (Hexachlorocyclohexane, endo, endo-dimethanonaphthalene ... 17.94%
 O, O-Dimethyl S (4-oxo-1, 2, 3-benzotriazin-3 (4H)-ylmethyl) phosphorodithioate* 10.96%
 Xylene Range Aromatic Hydrocarbon Solvent 27.68%

INERT INGREDIENTS: 43.42%

TOTAL 100.00%

*Guthion

(Contains 1.6 lb Endrin and 1 lb Guthion per gallon)

KEEP OUT OF THE REACH OF CHILDREN

DANGER

POISON

SEE SIDE PANELS FOR STATEMENT OF PRACTICAL TREATMENT AND ADDITIONAL PRECAUTIONARY STATEMENTS

ACCEPTED

MAR 20 1981

Under the provisions of the Fungicide, Insecticide, and Plant Growth Regulator Act, this pesticide is registered for use in the United States of America.

EPA REG NO. 5905-3E-8
 N 1180 M

41 EPA EST NO
 NET CONTENTS 5 GAL (18.92 Liters)



HELENA CHEMICAL COMPANY

RESTRICTED USE PESTICIDE

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STORAGE AND DISPOSAL

PROHIBITIONS

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. OPEN DUMPING IS PROHIBITED

PESTICIDE DISPOSAL

PESTICIDE SPRAY MIXTURE OR RINSATE THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN A LANDFILL APPROVED FOR PESTICIDES OR BURIED IN A SAFE PLACE AWAY FROM WATER SUPPLIES

CONTAINER DISPOSAL

TRIPLE RINSE (OR EQUIVALENT) AND OFFER FOR RECYCLING, RECONDITIONING, OR DISPOSAL IN APPROVED LANDFILL OR BURY IN A SAFE PLACE

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES

USE AND APPLICATION

Notes: For use in Areas West of Interstate Highway #35 only

Application should be made only by experienced personnel using approved protection equipment

This product is an emulsifiable concentrate that mixes readily with water for use in the control of certain insects attacking cotton

For early season control of thrips and fleahoppers use 1 pint per acre of this material in sufficient water to give good coverage

For mid and late season control of boll weevil, bollworm, thrips, fleahoppers, lygus and other plant bugs and leafworm use 1 - 2 pints per acre of this material in sufficient water to give good coverage

Care should be taken that this material is not allowed to drift onto neighboring crop or non-crop areas

For Aircraft application: Use with 3 to 10 gallons of water per acre consistent with crop growth and good coverage. For ground spray equipment Use with 10 to 25 gallons of water per acre

APPLICATION RESTRICTIONS

Do not apply this product within 1/4 mile of human habitation

Do not apply this product by air within 1/4 mile or by ground within 1/4 mile of lakes, ponds or streams. Application may be made at distances closer to ponds owned by the user but such application may result in excessive contamination and fish kills

Do not apply when rainfall is imminent

Apply only when wind velocity is between 2 and 10 mph

PROPHYLACTIC USE

Unnecessary use of this product can lead to resistance in pest populations and subsequent lack of efficacy

EQUIPMENT

Ground Application - For use with boom-nozzle ground equipment. Apply at not less than 5 gallons total mixture water and chemical per acre. Do not use nozzle liquid pressure at greater than 40 pounds per square inch (psi). Do not use cone nozzle size smaller than one capable of delivering 0.16 gallons per minute (gpm) at 40 psi such as type D2-25 or TX-10 or any other atomizer or nozzle giving smaller drop size

Aerial Application - Do not apply at less than 2 gallons total mixture of water and chemical per acre. Do not operate nozzle liquid pressure over 40 psi or with a fan nozzle smaller than one capable of delivery 0.4 gpm or fan angle greater than 65 degrees such as type 6504. Do not use any cone type nozzles smaller than those capable of delivering 0.4 gpm nor whirl plate smaller than #36 such as type D-46 or any other atomizer or nozzle giving smaller drop size. Do not release this material at greater than 10 feet above the crop

ORGANIC PHOSPHATE COMPOUND MIXTURE LIQUID

NOTICE OF WARRANTY

Helena Chemical Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purpose 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 A PARTICULAR PURPOSE, MERCHANTABILITY, or otherwise, in connection with the sale of this material. For complete terms of warranty, see the Helena Chemical Company Warranty Statement on file with the Federal Reserve Bank of St. Louis, Missouri.

KEEP OUT OF THE REACH OF CHILDREN

DANGER



POISON

SEE SIDE PANELS FOR STATEMENT OF PRACTICAL TREATMENT AND ADDITIONAL PRECAUTIONARY STATEMENTS

ACCEPTED

MAR 20 1981

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EPA REG NO 5905-558
SN 0180-M

11 EPA EST NO
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