

**RESTRICTED USE PESTICIDE**

Due to Very High Acute Toxicity to Humans and Birds 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 Applicators Certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial Certified Applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Poisonous if swallowed, inhaled or absorbed through the skin & eyes. Rapidly absorbed through the skin. Repeated inhalation or skin contact may without symptoms, progressively increase susceptibility to PARATHION poisoning. Do not swallow or get in eyes, on skin or on clothing. Do not breathe vapors. Do not contaminate food or feed products. Wear clean natural rubber gloves and waterproof protective clothing and goggles or face shield. Replace gloves frequently and destroy used gloves. Wear a mask or respirator of a type jointly approved by the Mine Safety and Health Administration and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11 approved for PARATHION protection. Wash thoroughly with soap and water after handling & before eating or smoking. Pilot should not assist in mixing and loading operation. Do not contaminate or store near food or feedstuff. Note section on Reentry Statement.

**PARATHION 1 THIODAN 2 EC**

Not For Home Use

**ACTIVE INGREDIENTS:**

Parathion: O-O-Diethyl O,  
p-Nitrophenyl Phosphorothioate. 11.3%

Endosulfan (Hexachlorohexahydro  
methano-2,4,3-benzodioxathiepin Oxide 22.8%

**INERT INGREDIENTS:** 65.9%

Total 100.0%

Contains 1 lb. Parathion plus 2 lbs. Thiodan per gallon



**KEEP OUT OF REACH OF CHILDREN**



**DANGER-POISON**



red ink **PELIGRO** red ink  
RAPIDLY ABSORBED THROUGH THE SKIN & EYES. POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN, EYES OR THROUGH CONTAMINATED CLOTHING ALWAYS CALL A PHYSICIAN IN CASES OF SUSPECTED POISONING

\*PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente\*

**STATEMENTS OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Never induce vomiting or give anything by mouth to an unconscious or convulsing person.

**IF INHALED:** Remove victim to fresh air immediately. Apply artificial respiration if indicated. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water for 10 minutes. Get medical attention immediately.

**IF ON SKIN:** Remove contaminated clothing immediately and wash affected area with soap and water. Call a physician immediately. Wash clothing before reuse.

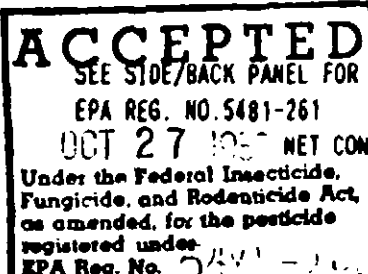
**IF POISONING SYMPTOMS APPEAR** (See Poisoning Symptoms under NOTE TO PHYSICIAN.) keep patient prone and quiet. Start artificial respiration immediately if patient is not breathing. Transport the patient immediately to the nearest hospital.

**IMPORTANT:** Not for use or storage in or around the home. Keep animals and unprotected persons out of operational areas and while there is a danger of drift. In case of spillage, decontaminate areas and equipment by washing with a dilute solution of alkali (less than 5% ) & detergent & rinse with water.

**NOTE TO PHYSICIAN - - - POISONING SYMPTOMS**

Parathion is a highly toxic cholinesterase inhibitor. Symptoms include weakness, headache, tightness in chest, blurred vision, non reactive pin point pupils, salivation, sweating, nausea, vomiting, diarrhea, & abdominal cramps. **TREATMENT** - Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation Atropine Sulfate should be injected at 10 minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Pralidoxime chloride (2-PAM chloride) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, and initial Dose of 1 gram of 2-PAM should be injected, preferably as an infusion, in 250 cc of saline over a 15 to 30 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5% solution in water over not less than 2 minutes.

continued



ADDITIONAL PRECAUTIONARY STATEMENTS  
EPA EST 5481-CA-1

NOTE TO PHYSICIAN - - - POISONING SYMPTOMS (Continued)

After about an hour, a 2cd dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 0.25 grams. Morphine is an improper treatment. Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been attained as determined by a blood test. For 24 hours emergency medical assistance call (213) 264-3910. OR The National Pesticide Telecommunication Network 1-800-858-7378

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish and wildlife. Birds in treated areas may be killer. Do not apply directly to water or wetlands (Swamps, Marshes, Bogs, and Potholes). ly to shallow edges. Consult with State Fish and Game Run-off and drift from target areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment of disposal of wastes. This product is extremely toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops or weeds if bees are visiting the treatment area. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals.

PHYSICAL OR 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 mer Inconsistent with its labeling. Do not apply this product through any type of irrigation equipment.

RE-ENTRY AND WORKER SAFETY STATEMENT

Reentry into treated fields before expiration of the re-entry interval of 3 days is prohibited, unless the protective clothing & equipment specified on this label are used.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Written or oral warnings must be given to workers who are expected to be in treated areas or in an area to be treated with this product (Indicate specific oral warnings which inform workers of areas or fields that may

Continued at top of next column ->

RE-ENTRY AND WORKER SAFETY STATEMENT..continued

not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: .....DANGER: Area treated with PARATHION 1 THIODAN 2 EC on..... (Date)..... Do not enter treated crop areas for 3 days unless the protective clothing and equipment specified on this label are used. In case of accidental exposure see Statements of Practical Treatment found on this label.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. STORAGE: Store product in original container in a cool, dry, locked place out of reach of children. If product is involved in a significant "spill", call CHEMTREC 1-800-424-9300 or (213) 264-3910. Wear a pesticide respirator approved for Ethyl or Methyl Parathion & avoid forming dust clouds during clean-up sweep up & place in labeled drum. Dispose of according to the instructions below in pesticide disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance. CONTAINER DISPOSAL: (Metal) Triple rinse (or equivalent) Then offer for recycling or reconditioning, or puncture & dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

(Plastic) Triple rinse (or equivalent). Then offer for re-cycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PROTECTIVE CLOTHING REQUIREMENTS

THIS PRODUCT MAY BE FATAL IF SWALLOWED, INHALED, OR IF ALLOWED TO CONTACT SKIN. FAILURE TO PROPERLY FOLLOW ALL INSTRUCTIONS FOR PROTECTION CLOTHING AND EQUIPMENT WILL INCREASE YOUR RISK.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING, APPLICATION, REPAIR AND CLEANING OF APPLICATION EQUIPMENT, DISPOSAL OF PESTICIDE, AND EARLY REENTRY INTO TREATED FIELDS.

Protective clothing - continued on page 3 of 5 ->

**PROTECTIVE CLOTHING STATEMENTS (Cont.)**

WATERPROOF PANTS AND COAT, HEAVY DUTY CHEMICAL-RESISTANT GLOVES; RUBBER BOOTS OR RUBBER OVERSHOES; HOOD OR WIDE-BRIMMED HAT; SAFETY GOGGLES, OR FACE SHIELD; NIOSH APPROVED RESPIRATOR. IN ADDITION, MIXER/LOADERS MUST WEAR A CHEMICAL RESISTANT APRON WHEN USING THE CONCENTRATED PRODUCT. DURING AERIAL APPLICATION IN NON-ENCLOSED COCKPITS, A HELMET WITH A VISOR MAY BE SUBSTITUTED FOR THE HOOD OR WIDE-BRIMMED HAT AND SAFETY GOGGLES OR FACE SHIELD REQUIREMENTS.

REMEMBER THIS CLOTHING IS NOT INTENDED TO PROTECT YOU DURING REPAIR AND CLEANING OF APPLICATION EQUIPMENT OR DURING EARLY REENTRY! REFER TO THE INSTRUCTIONS ABOVE. ...HUMAN FLAGGERS ARE STRICTLY PROHIBITED DURING AERIAL APPLICATION.....

IF MIXING/LOADING IS PERFORMED USING A CLOSED SYSTEM, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE. Heavy-duty chemical resistant glove; chemical resistant apron; longsleeved shirt (or gauntlet & short sleeve shirt) & long-legged pants, shoes & socks. Safety goggles or face shield must be worn when the system is under pressure. All other protective clothing and equipment required for use with open systems must be available nearby.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE. Clean long-sleeved shirt and long-legged pants. All other protective clothing and equipment required for use during application must be available in the cab and must be worn when existing the cab into treated areas. When used for this purpose, contaminated clothing may not be brought back into the cab unless in an enclosure such as a plastic bag.

**WORKER SAFETY RULES**

The National Pesticide Telecommunication Network is available for recommendations regarding poisoning management, emergency treatment and other information regarding the toxicity of Parathion.

The toll free number is 1-800-858-7378.

If handled indoors provide mechanical exhaust ventilation. Keep all unprotected persons, children, livestock, and pets 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; See First Aid (Statement of Practical Treatment) section on this label.

**IMPORTANT!** If pesticide comes in contact with skin, wash off with soap and water and contact a physician immediately. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

**AFTER WORK:** before removing gloves, wash them with soap and water. Take off all work clothes and shoes. Shower using soap and water. Wear only clean clothes when leaving job--do not wear contaminated clothing. Personal clothing worn during work must be stored and laundered separately from protective clothing and household articles. Store protective clothing separately from personal clothing. Clean or launder protective clothing after each use. Respirators must be cleaned and filters replaced according to instructions included with the respirators. Protective clothing and protective equipment heavily contaminated or drenched with Parathion must be destroyed according to state and local regulations. HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED. DURING AERIAL APPLICATION, HUMAN FLAGGERS ARE PROHIBITED.

**(DIRECTIONS FOR USE Cont.)**

Application can be made by aircraft or ground equipment by trained personnel only using approved protective equipment. Do not apply with hand equipment. Pour specified amount of this product into nearly filled spray tank. Maintain agitation during filling and spraying operations. Use a screen not finer than 50 mesh in entire system. Do not combine with emulsifiable liquid or wettable powders unless previous experience has proven physically compatible and safe for plants. Always thoroughly mix emulsifiable concentrates or wettable powders with at least half of total water before adding this product.

Aircraft and ground equipment operators are cautioned to work so that the spray is carried downwind away from the aircraft or vehicle. Personnel who use parathion must be provided medical supervision in accordance with the regulations of the State Department of Industrial Relations. Users of Parathion are required to observe regulations of the Department of Agriculture relating to injurious materials. Parathion may not be used as an aerosol or fog, as an indoor treatment or in an oil dilution.

**REENTRY AND WORKER SAFETY STATEMENT**

See Reentry and Worker Safety Paragraph on this label. The Re-entry period for the following crops is 3 days.

SEP 21 1986

**GENERAL SPRAY INSTRUCTIONS**

Apply the dosages indicated per acre in enough water to thoroughly cover entire plant. (Average amounts will be 5 to 20 gallons water per acre by aircraft; and 20 to 100 gallons water per acre with ground equipment.) Apply when insects are first seen or plant injury is imminent and repeat at 10 to 14 day intervals as needed for control. Use the higher rate for heavy infestations and lower rate for average to moderate insect infestations. See Reentry statements on this label.

**TOMATOES**

To control Aphids, Blister Beetles, Colorado Potato Beetles, Flea Beetles, Green Stink Bugs, and Whiteflies use 1 Quart per acre. To control Hornworm, use 1 to 2 Quarts per acre. Note: Do not apply within 10 days of harvest.

**CUCUMBERS, PUMPKINS****SUMMER SQUASH, WINTER SQUASH**

To control Aphids, Cucumber Beetles, use 1 to 2 Quarts per acre. Note: Do not apply before vining or within 15 days of harvest.

**COTTON**

To control Spider Mites, (Desert Spider Mites, Tumid Spider Mites, Two-spotted Mite), Aphids, Cotton Leafworm, Lygus Bugs, Bollworms, Cabbage Looper use 2 Quarts per acre. Notes: Do not apply after bolls begin to open. Do not graze dairy animals in treated fields. Workers entering treated fields within 3 days must wear protective clothing as described on this label.

**POTATOES**

To control Flea Beetles, Colorado Potato Beetles, Fleahoppers, Aphids, Southern Armyworms, Green Stink Bugs, Leaf-footed Plant Bugs, Potato Tuberworm, and Whiteflies use 1 to 2 Quarts per acre. For control of Potato Psyllid use 1½ to 2 Quarts Note: Do not apply within 5 days of harvest.

**BROCCOLI AND CABBAGE**

To control Cabbage Aphids, Cabbage Loopers, Imported Cabbage Worm, Diamondback Moth Larvae, Cross-striped Cabbageworm, Flea Beetles, Harlequin Bug and Stink Bugs use 1½ to 2 Quarts per acre. Note: Do not apply within 10 days of harvest on cabbage or within 7 days of harvest on Broccoli.

**NOTICE:** This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer &/or seller & the buyer assumes the risk of any such use.