

Hopkins
PARATHION



POISONOUS IF SWALLOWED



POISONOUS BY SKIN CONTACT



POISONOUS IF BREATHED



Hopkins PARATHION

4 lb. Per Gallon Emulsifiable Concentrate

INGREDIENTS:

Parathion (O,O-diethyl O-p-nitrophenyl phosphorothioate)	47.2%
Xylene	47.0%
Other Ingredients	5.8%
TOTAL	100.0%

Reg. No. 2393-242

STOP - READ THE LABEL



DANGER!

Keep Out of
Reach of
Children

CAN CAUSE DEATH

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

FOR HOME USE

See side panels for poison precautions, symptoms, first aid treatment, information for physician, and instructions for treating treated areas.

See label folder for additional use precautions, directions for use, re-mixing directions, and container disposal.

SCOPE OF WARRANTY

Company makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this product if the purchase order, contract, or label restriction.

CONTENTS: 4 Gallons (128 fl. oz.)

HOPKINS AGRICULTURAL CHEMICAL CO.
MADISON, WISCONSIN

WORK SAFETY RULES

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT.

- 1. Wear waterproof 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.

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

Do not rub eyes or mouth with hands. Do not smoke. Before removing gloves, wash them with soap and water. If you feel sick in any way STOP work and get help right away. Tell foreman or have someone call him. Call a physician, clinic or hospital immediately.

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 work clothing.

All protective clothing and equipment should be washed with soap and water after each use. Respirators should be cleaned and filter replaced according to instructions included with respirator.

POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It can be taken into the body or on the body with the hands, or through contact with the skin, through food, or through the air. Symptoms of poisoning are any of the following: nausea, vomiting, diarrhea, abdominal pain, muscle tremors, weakness, dizziness, headache, blurred vision, difficulty breathing, and loss of consciousness. If any of these symptoms occur, get medical attention immediately.

Signs and Symptoms of Poisoning Are: Nausea, vomiting, diarrhea, abdominal pain, muscle tremors, weakness, dizziness, headache, blurred vision, difficulty breathing, and loss of consciousness. If any of these symptoms occur, get medical attention immediately.

POSTING TREATED AREA

Post "DANGER - POISON" signs in treated areas.

FIRST AID TREATMENT

Speed is essential to stop absorption of poison. If possible, one person should make telephone calls while another begins treatment.

Call a physician or clinic or hospital immediately in all cases of suspected poisoning. Explain victim exposed to parathion, describe his condition. **Until medical help is available take following steps:**

IF BREATHING HAS STOPPED, start artificial respiration immediately and continue until physician sees victim.

IF SWALLOWED and victim is awake and conscious, make him vomit quickly. First, give soapy water or strong salty water to drink then stroke back of throat with finger to make victim vomit. Repeat by giving more water and make vomit again until vomit is clear. **Never give anything by mouth to an unconscious person.** If victim is unconscious and breathing stop.

IN CASE OF SKIN CONTACT, immediately remove wet clothing and shoes and flush with water for at least 15 minutes.

EYE CONTACT - Flush eyes with water for at least 15 minutes.

After first aid is given and physician cannot come take victim to clinic or Hospital. Bring 1/2 pint Parathion to give to physician.

NOTE TO PHYSICIAN

ANTIDOTE: 1. Atropine sulfate - 2 mg. (0.05 ml. of 1% solution) every 30 minutes until symptoms disappear. 2. 2-PAM chloride - 100 mg. (0.1 g.) every 30 minutes until symptoms disappear. Do not give morphine or tranquilizers until symptoms disappear.

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Signs and Symptoms of Poisoning Are: Nausea, vomiting, diarrhea, abdominal pain, muscle tremors, weakness, dizziness, headache, blurred vision, difficulty breathing, and loss of consciousness. If any of these symptoms occur, get medical attention immediately.

Hopkins

PARATHION

4 lb. Per Gallon Emulsifiable Concentrate

Organophosphorus Insecticide

POISON
DANGER



NOT FOR
HOME USE

BEFORE USING READ ALL PRECAUTIONS
AND DIRECTIONS FOR USE

EPA Reg. No. 239.242

RESEALABLE BAG

Lift end to open.

Press firmly to reseal.

IMPORTANT

SEE REVERSE SIDE OF FOLDER
CONTAINS SAFETY LABELING
INFORMATION

Active Ingredient Statement

Primary Statements of Hazard Precautionary Instructions

Fish and Wildlife Precautions

Work Safety Rules

Poison Symptoms

First Aid Treatment

Notes to Physician

Hopkins Agricultural Chemical Co.
MADISON, WISCONSIN 53701

USE PRECAUTIONS

READ ALL PRECAUTIONS AND DIRECTIONS BEFORE USING. Use only for crops and claims recommended.

This product is toxic to fish and wildlife. Keep out of lakes, streams, and ponds. Birds and other wildlife in treated areas may be killed. Do not apply when weather conditions favor drift from areas treated.

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.

In order that pesticidal residues on food and forage crops will not exceed tolerances established by the Federal Food and Drug Administration, use only at recommended rates and intervals, and do not apply closer to harvest than specified. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals or onto adjoining food, fiber or pasture crops. *The grower is responsible* for residues on his crops as well as for damages caused by drift from his property to that of others.

Consult state agricultural extension service or state agricultural experiment stations for additional information, as the timing, number, and rate of applications needed will vary with local conditions.

CONTAINER DISPOSAL

DESTROY EMPTY CONTAINER - NEVER REUSE

Completely empty contents and bury unused chemical 18 inches deep in an isolated location away from water supplies.

GLASS CONTAINER - Break container and bury 18 inches deep.

METAL CONTAINERS - 1 gal. drum: Pour 1 qt. of water into empty drum. Add 4 tablespoons of household detergent. Rotate drum carefully until all inner surfaces are wet. Bury these solid on 18" deep. Puncture holes in top and bottom of container, crush and bury. 5 gal. drum: Pour 2 qt. of water into empty drum. Add 1 cup of a strong detergent and 2 1/2 tablespoons of household detergent. Follow the same rinsing, puncturing and burial procedures given for 1 gal. drum. 30 and 55 gal. drum: Follow same procedures as for 5 gal. drum except use 1 gal. of water, 2 lbs. of detergent and detergent.

CAUTION: Do not use this product on crops or animals which are known to be sensitive to organophosphorus insecticides.

DIRECTIONS FOR USE

Application can be made by a refilling or ground power 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. Add balance of water to full tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (The actual rate required to provide thorough, uniform coverage varies with plant growth at time of application. *Except as specified for certain uses*, the following rates are therefore intended to cover a broad range of conditions.)

Crop	Gal. Water/Acre	
	Aircraft	Ground
Vegetable and Field Crops	1-20	5-125
Orchards, Grapes	5-25	
Orchard Crops (See exceptions below)		300-800
Grapes		100-200

Maximum permissible rate per acre, expressed as Parathion 4 lb. E. C. is given in parenthesis in, after each crop claim.

RECOMMENDATIONS

FRUIT AND NUT CROPS
(Also Read Directions for Use)

Unless otherwise specified, rates are given in terms of Parathion 4 lb. E. C. per 100 gal. of water for thorough coverage application. Unless otherwise specified, apply at the first sign of infestation and repeat at 7-10 day intervals as needed to maintain control. For codling moth, Oriental fruit moth and plum curculio control, apply at initial fall and every 10-14 days thereafter until control is achieved. Observe local regulations and specific crop.

APPLES

Codling moth, European red mite, fruit tree and other mealybug, orange tortrix, plum curculio, red-banded leaf miner, blotch and leaf miner, scales, San Jose, Forbes, scaly, two-spotted mite, etc. (cont.)

Aphids (rosy apple, green apple, woolly apple), bud scale, etc. (cont.)

CAUTION: Do not use this product on crops or animals which are known to be sensitive to organophosphorus insecticides.

BLUEBERRIES

Blossom weevils, leafhoppers. Use 2-3 pt. Cherry or cherry fruitworm, plum curculio. Use 2 pts. Do not apply within 14 days of harvest. (1-5 pts.)

CHERRIES

Black cherry aphid, eye spotted bud moth, lesser apple worm, mites, shot hole borer. Use 1-2 pt. Fruit fly, fruitworm, plum curculio. Use 1-4 pt. For fruit fly control, begin applications at fly emergence and repeat at 7 day intervals. Do not apply within 14 days of harvest. (4 pts.)

CRANBERRIES

Black headed fireworm, cranberry fruitworm, blunt-nosed leaf hopper and tip worm. Use 1-2-2 pt. (Max. Rate/Acre and Date Limitation: 1-3-5 pt. up to 14 days; 2 pt. up to 30 days of harvest.)

GRAPES

Aphids, mites. Use 1 pt. Berry moth. Use 1/2 pt. Mealybug, red-banded leafroller. Use 1-3-5 pt. Do not apply within 14 days of harvest. (Max. Rate/Acre and Date Limitation: 3 pt. up to 14 days of harvest; 5 pt. if applied before fruit is the size of buckshot or after harvest.)

PEACHES

Catfacing insects, plum curculio, Oriental fruit moth, San Jose scale. Use 1-2-3 pt. Peach tree borer. Make applications during appearance of the moths in early to late summer. Apply 2 or 3 sprays to trunk from ground to scaffold limbs timed with moth flight. Use 1-2-3 pt. Cottony peach scale, fruit tree leaf miner, green peach aphid, shot hole borer, spider mites. Use 1 pt. Lecanium scale, apply after all eggs have hatched. Use 2-3 pt. (Limitations: Full coverage spray for control of scale insects. Do not apply within 14 days of harvest. Do not apply more than 4 applications per season. Do not apply more than 5 applications per year.)

PEARS

Codling moth, mealybug, pear blister mite, woolly aoid. Use 1 pt. in preblossom spray. Pear spray mite control. Use 2-5 pt. Make extra care in blossom and post-blossom sprays for tree and pear blight. Under some conditions, many may occur in the Southeast. Do not apply within 14 days of harvest. (1-5 pts.)

PLUMS, PRUNES

Aphids, bud moth, codling moth, fruit tree and other mealybug, mites, tortrix. Use 1-2 pt. (cont.) Use 1-2 pt. (5 pt. for scale). Do not apply within 14 days of harvest. (1-5 pts.)

STRAWBERRIES

CAUTION: Do not use this product on crops or animals which are known to be sensitive to organophosphorus insecticides.

DIRECTIONS FOR USE

Application can be made by aircraft or ground power equipment by trained personnel only, using approved sprayer equipment. Do not apply with hand equipment. Pour specified amount of this product into heavy spray tank. Add balance of water to fill tank. Agitator running during filling and spraying operation. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders. Previous use of the mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION. (The actual rate required to provide thorough, uniform coverage varies with plant height at time of application. Except as specified for special uses, the following rates are therefore intended to cover a broad range of conditions.)

	Gal. Water/Acre	
	Aircraft	Ground
Table and Field Crops	1-20	5-125
Orchards, Grapes	5-25	---
Field Crops (See exceptions below)	300-800	---
Special Uses	100-200	---

Minimum permissible rate per acre, expressed as Parathion 4 lb. E.C. is given in parenthesis (), after each claim.

RECOMMENDATIONS

FRUIT AND NUT CROPS (Also Read Directions for Use)

Unless otherwise specified, rates are given in terms of Parathion 4 lb. E.C. per 100 gal. of water for thorough coverage application. Unless otherwise specified, apply at first sign of infestation and repeat at 7-10 day intervals as needed to maintain control. For codling moth, Oriental fruit moth and plum curculio control, spray at petal fall and every 10-14 days thereafter until fruit is harvested. Observe use limitations given for each crop.

APPLES

Codling moth, European red moth, fruit tree leaf roller, leaf miner, orange tortrix, plum curculio, red-banded leaf miner, 1st, 2nd and 3rd broods, scales, San Jose scale, scurfy, two-spotted mite. Use 1/2 pt.

Granny Smith apple, green apple, woolly apple, bud scale, Pacific mite, red bug, Schoenherr mite and Willow mite. Use 1/2 pt.

CHERRIES
Black cherry aphid, eye spotted bud moth, lesser apple worm, mites, shot hole borer. Use 1/2 pt. Fruit fly, fruitworm, plum curculio. Use 1/2-4.5 pt. For fruit fly control, begin applications at fly emergence and repeat at 7 day intervals. Do not apply within 14 days of harvest. (4 pts.)

BLUEBERRIES

Blossom weevils, leafhoppers. Use 2-3 pt. Cherry cranberry fruitworm, plum curculio. Use 2 pts. Do not apply within 14 days of harvest. (1-1.5 pt.)

CHERRIES

Black cherry aphid, eye spotted bud moth, lesser apple worm, mites, shot hole borer. Use 1/2 pt. Fruit fly, fruitworm, plum curculio. Use 1/2-4.5 pt. For fruit fly control, begin applications at fly emergence and repeat at 7 day intervals. Do not apply within 14 days of harvest. (4 pts.)

CRANBERRIES

Black-headed fireworm, cranberry fruitworm, blunt-nosed leaf hopper and tip worm. Use 1 1/2-2 pt. (Max. Rate/Acre and Date Limitation: 1-3.5 pt. up to 14 days, 2 pt. up to 30 days of harvest.)

GRAPES

Aphids, mites. Use 1 pt. Berry moth. Use 1 1/2 pt. Mealybug, red-banded leafroller. Use 1-3.5 pt. Do not apply within 14 days of harvest. (Max. Rate/Acre and Date Limitation: 3 pt. up to 14 days of harvest, 5 pt. if applied before fruit is the size of buckshot or after harvest.)

PEACHES

Catfacing insects, plum curculio, Oriental fruit moth, San Jose scale. Use 1/2-2.3 pt. Peach tree borer. Make applications during appearance of the moths in early to late summer. Apply 2 or 3 sprays to trunk from ground to scaffold limbs timed with moth flight. Use 1/2-2.3 pt. Cottony peach scale, fruit tree leaf roller, green peach aphid, shot hole borer, spider mites. Use 1/2 pt. Lecanium scale (apply after all eggs have hatched). Use 2-3 pt. (Limitations: Full coverage spray for control of scale insects. Do not apply within 14 days of harvest. Do not apply more than 4 qt. per acre per application or more than 5 qt. per acre per year.)

PEARS

Codling moth, mealybug, pear blister mite, woolly aphid. Use 1/2 pt. in pre-blossom spray. Pear psylla, spider mites. Use 2.5 pt. Make either pre-blossom or post-blossom sprays for the pear psylla. Under some conditions, injury may occur on some pears in the Northeast. Do not apply within 14 days of harvest. (2-1.5 pt.)

PLUMS, PRUNES

Aphids, bud moth, leafhopper, leaf miner, mealybug, scale, spider mites, tortrix. Use 1/2 pt. Plum curculio. Use 1/2-2.1 pt. San Jose scale (When crickets emerge). Use 1/2 pt. Make full coverage spray. Do not apply within 14 days of harvest. (1 gal.)

STRAWBERRIES

Blackberry aphid, European red moth, fruit tree leaf roller, leaf miner, orange tortrix, plum curculio, red-banded leaf miner, 1st, 2nd and 3rd broods, scales, San Jose scale, scurfy, two-spotted mite. Use 1/2 pt.

VEGETABLE AND FIELD CROPS (ALSO READ DIRECTIONS FOR USE)

Unless otherwise indicated, dosages are given in pints of Parathion 4 lb. E.C. per acre in sufficient water to provide thorough coverage. Begin applications when insects first appear and repeat at 7-10 day intervals as needed to maintain control, but observe use limitations given for specific crops.

ALFALFA - ALFALFA WEEVIL LARVAE

Spring treatment - Use 1/2-1 pt. per acre. Apply to stubble immediately after removal of alfalfa, usually not later than May 25. Do not apply within 15 days of cutting or forage use. (1-3/5 pt.)

OR

Apply 1/2-1 pt. per acre in 15-20 gal. water when 75% of terminals show feeding damage. Do not apply within 15 days of cutting or forage use. (1-3/5 pt.)

ALFALFA, CLOVER, VETCH

Aphids (including yellow clover aphid), armyworms, blister beetles, grasshoppers. Apply 1/2-1/2 pt. per acre. Make no application within 15 days of cutting or forage use. (1-3.5 pt. for alfalfa and vetch, 3 pt. for clover.)

BEANS (DRY AND GREEN)

Aphids, armyworms, leafhoppers, leaf miner, leaf roller, Mexican bean beetle, spider mites, stinkbugs, whitefly. Use 1/2-1.3.5 pt. 1 pt. 7 days of harvest, 1-3.5 pt. 15 days.

BEETS

Aphids, armyworms, blister beetle, flea beetle, leaf hopper, leaf miner, webworm. Use 1/2-1.3.5 pt. Do not apply within 15 days of harvest; 21 days if treated crops are to be used for food or feed. (1-3.5 pt.)

CABBAGE, CAULIFLOWER, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD, TURNIPS

Aphids, armyworms, diamondback moth larvae, imported cabbageworm, thrips. Use 1/2-1 pt. Cabbage hopper, flea beetle, serpentine leaf miner. Use minimum of 1 pt. per acre.

Rates and Use Limitations:

Cabbage, Kale, Mustard, Turnips. 1/2 pt. 7 days, 1 pt. 14 days.

CORN
Armyworms, corn rootworm adults (Make full coverage applications to foliage when adult beetles become numerous and repeat as necessary). Use 1/2 pt. European corn borer. Use 1-1 1/2 pt. Do not apply within 12 days of picking or cutting for forage. Consult your state agricultural experiment station for proper timing of treatments. (2 pts.)

CORN

Armyworms, corn rootworm adults (Make full coverage applications to foliage when adult beetles become numerous and repeat as necessary). Use 1/2 pt. European corn borer. Use 1-1 1/2 pt. Do not apply within 12 days of picking or cutting for forage. Consult your state agricultural experiment station for proper timing of treatments. (2 pts.)

CUCUMBER, SQUASH, MELONS

Aphids, cucumber beetle, cutworms, darkling ground beetle, flea beetle, leafhopper, leaf miner, melonworm, pickleworm, serpentine leaf miner, squash bug, spider mites, thrips. Use 1 pt. Make no applications before plants start to vine or within 15 days of harvest on cucumber and squash; 7 days of harvest on melons. (1 pt.)

EGGPLANT

Aphids, leaf miner, thrips. Use 1/2 pt. Red spider mites - Use 1/4 pt. Do not apply within 15 days of harvest. (1-3/5 pt.)

LETTUCE

Aphids, leafhoppers. Use 1 pt. Do not apply within 7 days of harvest on head lettuce; 21 days on endive, leaf and bibb lettuce. (1 pt.)

ONIONS

Thrips: Apply 1-1.3/5 pt. and repeat at weekly intervals as necessary for control. Do not apply within 15 days of harvest. (1-3/5 pt.)

PEPPERS

Aphids, pepper maggot, flea beetle, serpentine leaf miner, thrips. Use 1-1.3/5 pt. Do not apply within 15 days of harvest. (1-3.5 pt.)

POTATOES

Aphids, armyworms, Colorado potato beetle, flea beetle, green stinkbug, leafhopper, leaf miner. Use 1/2 pt. Do not apply within 5 days of harvest. (2 pts.)

SMALL GRAINS (BARLEY, OATS, WHEAT) -

Aphids, armyworms, grasshoppers, green bug. Use 1/2-1 pt. Do not apply within 15 days of harvest. (3 pts.)

SUGAR BEETS

Aphids, armyworms, blister beetle, flea beetle, leaf hopper, leaf miner, webworm. Use 1-1.3.5 pt. Do not apply within 15 days of harvest. (1-3.5 pt.)

TOMATOES

Aphids, flea beetle, leafhopper, serpentine leaf miner, spider mites, stinkbugs, tomato pinworm. Use 1-1.2-2 pt. Do not apply within 10 days of harvest. (2 pt.)

IN CASE OF ANY EVIDENCE OF DAMAGED OR LEAKING CONTAINERS TELEPHONE COLLECT

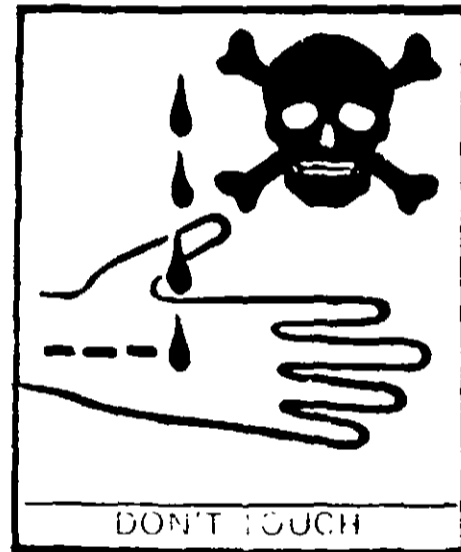
608-222-0624 HOPKINS AGRICULTURAL CHEMICAL CO. MADISON WI 53701

DANGER -- POISON -- PRECAUTIONS



POISONOUS IF SWALLOWED

Even in small amounts!



POISONOUS BY SKIN CONTACT

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



POISONOUS IF BREATHED

Poisonous if vapor or mists from sprays are breathed. Vapors are not visible. Never work with parathion or in parathion treated areas without protective clothing and equipment.

POISONOUS TO FISH & WILDLIFE. Toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Sheep and cats may be killed at application rates recommended on this label. Do not apply where these are important resources. 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.

Hopkins

PARATHION

4 lb. Per Gallon Emulsifiable Concentrate

ACTIVE INGREDIENTS:

Parathion (O,O-diethyl O-p-nitrophenyl phosphorothioate)	47.2%
Xylene	47.0%

INERT INGREDIENTS:

.....	5.8%
TOTAL	100.0%

EPA Reg. No. 2393-242

STOP -- READ THE LABEL

POISON

See Side Panels
for Antidote &
Precautions



DANGER!

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NOT FOR HOME USE

See side panels for poison precautions, symptoms, first aid treatment, information for physician and posting treated areas.

Read Label Folder for additional use precautions, directions for use, recommendations and container disposal.

NOTICE OF WARRANTY

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and or handling of this material when such use and/or handling is contrary to label instructions.

NET CONTENTS

CAES

HOPKINS AGRICULTURAL CHEMICAL CO.

MADISON WISCONSIN

MADE IN U.S.A.

Hopkins PARATHION

4 lb. Per Gallon Emulsifiable Concentrate

ACTIVE INGREDIENTS:

Parathion (O,O-diethyl O-p-nitrophenyl phosphorothioate) 47.2%
Xylene 47.0%

INERT INGREDIENTS:

..... 5.8%
TOTAL 100.0%

EPA Reg. No. 2393-242

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NET CONTENTS

GALS

HOPKINS AGRICULTURAL CHEMICAL CO.

MADISON WISCONSIN

WORK SAFETY RULES

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT:

(1) Wear waterproof 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.

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

Do not rub eyes or mouth with hands. Do not smoke. Before removing gloves, wash them with soap and water. If you feel sick in any way STOP work and get help right away. Tell foreman or have someone call him. Call a physician, clinic or hospital immediately.

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 work clothing.

All protective clothing and equipment should be washed with soap and water after each use. Respirators should be cleaned and filter replaced according to instructions included with respirator.

POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces, eyes, and by contact with skin through wet clothes. Worker who show any of the following poison signs must be immediately removed and treatment given immediately.

Signs and Symptoms of Poisoning Are: Headache, nausea, vomiting, cramps, blurred vision, pin point pupils, tightness of chest, labored breathing, weakness, nervousness, sweating, increased salivation, drooling and foaming of mouth, and tremor, muscle weakness and convulsions.

POSTING TREATED AREA. Consult appropriate regulatory agencies for posting regulations and required signs.

+ FIRST AID TREATMENT +

Speed is essential to stop absorption of poison. If possible, one person should make telephone calls while another begins treatment.

Call a physician, clinic or hospital immediately in all cases of suspected poisoning. Explain victim exposed to parathion; describe his condition. **Until medical help is available take following steps:**

IF BREATHING HAS STOPPED, start artificial respiration immediately and continue until physician sees victim.

IF SWALLOWED and victim is awake (conscious) make him vomit quickly. First, give soapy water or strong salty water to drink then stroke back of throat with finger to make victim vomit. Repeat by giving more water and make vomit again until vomit fluid is clear. **Never give anything by mouth to an unconscious person.** Have victim lie down and keep quiet.

IN CASE OF SKIN CONTACT, immediately remove wet clothing and shoes and flush skin with water for at least 15 minutes.

EYE CONTACT: If splashed in eyes, immediately flush eyes with water for at least 15 minutes.

After first aid is given and physician cannot come take victim to clinic or Hospital. Bring Label Folder. Give to physician.

NOTE TO PHYSICIAN

ANTIDOTE Administer **atropine sulfate** in large doses, 2.0 to 4.0mg. 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 system, producing cardiac and respiratory depression.

At first aid and preliminary treatment, the patient should be kept warm, supplemental oxygen and treated symptoms immediately. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement. Very close supervision is indicated for at least 12 to 24 hours.