

3125-123

05/28/1971

1/12

T-735  
Ref. 2

Base Pre-Reg. (1379)

Reason to Issue: To revise name to  
GUTHION 2S.U.S. LABELDate of Draft: 3/2/71 (Pre-Reg.) (S)

USDA Reg. No. 3125-123



(R)

GUTHION 2S

## EMULSIFIABLE INSECTICIDE

FOR EFFECTIVE ECONOMICAL INSECT  
CONTROLGUARANTEE: Contains 2.0 lbs.  
O,O-Dimethyl S-[4-oxo-1,2,3  
-benzotriazin-3(4H)-ylmethyl]  
phosphorodithioate per gallon.

NET CONTENTS 5 GALLONS

 P O I S O N 

DANGER

KEEP OUT OF REACH OF CHILDREN

(See rear panel for antidote  
and warning statements)

## ACTIVE INGREDIENTS:

O,O-Dimethyl S-[4-oxo-1,2,3-benzo-  
triazin-3(4H)-ylmethyl] phosphoro-  
dithioate..... 22%  
Aromatic Petroleum Distillate..... 53%

INERT INGREDIENTS:..... 25%  
100%

U.S. Patent No. 2,758,115  
Canadian Patent No. 552,660

USDA Reg. No. 3125-123

DO NOT STORE BELOW 25° F. PROTECT FROM HEAT

KEEP AWAY FROM OPEN FLAME

DO NOT HEAT

STOP - READ THE LABEL BEFORE USE

MANUFACTURED BY

CHEMAGRO CORPORATION

KANSAS CITY, MO.

Note: Underlined letters in chemical nomenclature should be italicized when printed,  
not underlined.

2/12

## GUTHION 2S

### DIRECTIONS FOR USE

**IMPORTANT:** Read these entire Directions and Conditions of Sale, including the Warranty and Limitation of Damages provision, before using GUTHION 2S emulsifiable insecticide.

**CONDITIONS OF SALE:** These Directions for Use reflect the opinion of experts based on tests of effectiveness, of toxicity to plants and laboratory animals and of residues on or in food and feed under normal conditions of use. However, because of the wide range of conditions under which this product may be used, even though label directions are followed, it is impossible to eliminate all risks associated with its use because of abnormal conditions beyond the control of the seller. Chemagro Corporation and the Seller offer, and the Buyer uses, this product subject to the understanding that the Buyer assumes all such risks.

**MIXING:** GUTHION 2S emulsifiable insecticide forms an emulsion when diluted with water and is suitable for use in all power-operated ground sprayers and aircraft sprayers. To mix with water, pour the required amount of GUTHION 2S into full amount of water and then agitate.

**DOSAGE:** Use specified dosage of GUTHION 2S in the amount of water necessary to give complete coverage of foliage. The type of equipment used will determine the concentration required.

**SPRAYING:** Work to windward. Protect sprayer operators from drift or mist. When low volumes of spray are applied, complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult your State Agricultural Experiment Station or Extension Service for specific use information in your area.

### RECOMMENDED APPLICATIONS

CROP	INSECT	Pints GUTHION 2S	REMARKS
FIELD CROPS			
Alfalfa Clover	Alfalfa weevil	1 to 3	Apply specified dosage per acre using a minimum of 10 gallons of water per acre when applying with ground equipment, and a minimum of 5 gallons per acre for aerial applications for alfalfa weevils and at least 1 gallon per acre for the other insects listed. It may be necessary to use 20 to 25 gallons of water per acre on heavy growth for control of alfalfa weevil or Egyptian alfalfa weevil with ground equipment. Apply twice per cutting at the 1 pint rate at intervals of 10 to 11 days. Do not apply more than twice per cutting at the 1 pint rate. Apply only once per cutting at rates above 1 pint per acre. Do not apply within 14 days of harvest at the rates of 1 to 1 1/2 pints per acre or within 16 days at the rate of 2 pints per acre. Do not apply rates above 2 pints per acre within 21 days of harvest.
	Aphids Leafhoppers Mites	1 to 2	
	Egyptian alfalfa weevil	1 1/2 to 3	
	Alfalfa plant bug Fleahopper Grasshoppers Lygus bugs Spittlebug	2 to 3	

3/12

## GUTHION 2S

RECOMMENDED APPLICATIONS  
(Continued)

CROP	INSECT	Pints GUTHION 2S	REMARKS
FIELD CROPS	(Cont'd)		
Cotton	Aphids	1	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. For early-season control of bollworm and pink bollworm use 2 to 3 pints and for mid-to-late season applications, use 3 to 4 pints. Repeat as necessary. Do not apply within 1 day of picking. Cotton receiving late-season applications should not be pastured and gin trash from this cotton should not be fed.
	Boll weevil		
	Brown cotton leafworm		
	Cotton fleahopper		
	Cotton leafworm	1	
	Lygus bugs		
	Mites	1 to 2	
	Thrips		
	Rapid plant bug	1 to 2	
Tarnished plant bug	2		
Stink bug	2 to 4		
Bollworm	2 to 4		
Pink bollworm			
Barley Oats Rye Wheat	Cereal leaf beetle	1 1/2 2	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than once per season. Do not harvest for food, feed, forage or graze within 30 days of treatment.
Soybeans	Aphids	1 1/2 2	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 45 days of harvest. Do not graze or feed treated vines to livestock.
	Bean leaf beetle		
	Green cloverworm		
	Leafhoppers		
	Leaf miners		
	Leaf rollers		
	Stink bugs	2 to 3	
Velvet bean caterpillar			
Mexican bean beetle	2 to 3		
Tobacco	Aphids	2 to 3	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Treat hornworms as soon as egg masses or worms are first found. Repeat as necessary but not within 6 days of harvest. Prime before treating.
	Grasshoppers		
	Tobacco hornworm		
	Tobacco flea beetle		
	Tobacco budworm	3	

4/12

GUTHION 2S

RECOMMENDED APPLICATIONS

(Continued)

CROP	INSECT		Pints GUTHION 2S	REMARKS
<u>FRUIT</u>				
Apricots Nectar- ines Peaches	Aphids	<u>Platynota</u>	1 to 1 1/4	Apply specified dosage in 100 gal- lons of water as a full coverage spray* using not more than 800 gal- lons of finished spray per acre. Repeat as necessary. Do not apply more than 8 times per season, with- in 21 days of harvest for apricots, nectarines, and peaches, nor within 15 days of harvest for plums and prunes. Apply the 1 1/2-pint rate for oriental fruit moth or peach twig borer on apricots, nectarines and peaches only before mid-season.
	Cottony peach scale	<u>flavedana</u> leaf roller		
	European fruit lecanium scale	Plum curculio		
	Forbes scale	Red-banded leaf roller		
Nectar- ines	Lesser peach tree borer	San Jose scale	1 to 1 1/2	For control of peach tree borer, apply 2 or 3 sprays to trunk from ground to scaffold limbs, timed with moth flight. For scale control, apply when crawlers are present. NOTE: It is suggested that when treating nectarines during bloom period, beekeepers should be warned well in advance to remove hives a safe distance from orchards to be treated.
	Mites	Stink bug		
	Peach tree borer	Tarnished plant bug		
		Terrapin scale		
Peaches		Walnut scale	1 to 1 1/4	For control of peach tree borer, apply 2 or 3 sprays to trunk from ground to scaffold limbs, timed with moth flight. For scale control, apply when crawlers are present. NOTE: It is suggested that when treating nectarines during bloom period, beekeepers should be warned well in advance to remove hives a safe distance from orchards to be treated.
		White peach scale		
	Oriental fruit moth			
	Peach twig borer			
Nectar- ines	Thrips		1 to 1 1/4	
Plums Prunes	Aphids	Peach twig borer	1 to 2	NOTE: It is suggested that when treating nectarines during bloom period, beekeepers should be warned well in advance to remove hives a safe distance from orchards to be treated.
	Eye-spotted bud moth	Plum curculio		
	Forbes scale	Red-banded leaf roller		
	Fruit tree leaf roller	San Jose scale		
Plums Prunes	Lesser peach tree borer	Stink bug	1 to 2	NOTE: It is suggested that when treating nectarines during bloom period, beekeepers should be warned well in advance to remove hives a safe distance from orchards to be treated.
	Mites	Tarnished plant bug		
	Orange tortrix	Tussock moth		
	Peach tree borer			
Black- berries Boysen- berries Logan- berries Rasp- berries	American plum borer		2	Apply specified dosage per acre to foliage using approximately 200 gal- lons of water for good coverage. Where ground conditions dictate an air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary but not within 14 days of harvest.
	Leafhoppers		1	
	Leaf rollers		1 1/4	
	Leaf miners		1 1/4 to 2	
Black- berries Boysen- berries Logan- berries Rasp- berries	Aphids		1 1/4 to 2	Where ground conditions dictate an air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary but not within 14 days of harvest.
	Obscure root weevil		2	
Black- berries Boysen- berries Logan- berries Rasp- berries	Raspberry crown (root) borer		4 to 8	For control of root weevils and borers prior to harvest apply specified dos- age per acre to lower portion of canes and to the soil beneath the plants, using approximately 200 gallons of water. Do not apply more than twice per season. Do not make applications within 3 days of harvest at rates up to 4 pints per acre. Rates above 4 pints per acre should be applied only before fruit set or after crop is harvested.
	Obscure root weevil		2	

5/12

RECOMMENDED APPLICATIONS  
(Continued)

CROP	INSECT	Pints GUTHION 2S	REMARKS
<u>FRUIT (Cont'd)</u>			
Blue-berries (Eastern & North Central States Only)	Blueberry maggot Fruitworms Lecanium Scale Plum curculio	2 to 3	Apply specified dosage per acre using approximately 200 gallons of water for good coverage. Where ground conditions dictate an air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary but not more than 4 times per season nor within 3 days of harvest. If multiple late season applications of dust formulations containing GUTHION are to be made for blueberry maggot control, then do not make more than two applications of GUTHION 2S per season with the last spray no later than June 15.
Cran-berries	Cranberry fruitworm <u>Sparganothis sulfureana</u> Tipworm	2 to 4	Apply specified dosage per acre using approximately 200 gallons of water for good coverage. Where ground conditions dictate an air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary.
	Fireworms	4	Do not apply within 21 days of harvest.
Cherries	Eye-spotted bud moth Forbes scale Fruit flies Fruit tree leaf roller Lesser peach tree borer Mites Plum curculio San Jose scale	1 to 2	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 800 gallons of finished spray per acre. Repeat as necessary. Do not apply more than 8 times per season nor within 15 days of harvest.
	Cherry leaf miner Mineola moth	1	
Citrus Fruits	Aphids Black scale Brown soft scale Chaff scale Citricola scale Citrus mealybug Citrus rust mite Citrus thrips Cottony-cushion scale European brown snail Florida red scale Fruit tree leaf rollers Fuller rose beetle Glover scale Orange tortrix Purple scale Snow scale Western tussock moth Whiteflies	1 to 1 1/2	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 2000 gallons of finished spray per acre. A single application per year may be applied up to within 7 days of picking. Where 2 applications are required, the second spray should not be applied within 28 days of harvest. Do not apply more than twice per fruit year. Do not pick fruit or do other work involving contact with the tree, such as pruning, within 7 days of treatment.
	California red scale Texas citrus mite Yellow scale	1 1/2	

6/12

RECOMMENDED APPLICATIONS  
(Continued)

CROP	INSECT	Pints GUTHION 2S	REMARKS
<u>FRUIT (Cont'd)</u>			
Grapes	Grape berry moth Grape cane girdlers Grape mealybug Leafhoppers Mites Red-banded leaf roller Thrips	1 to 2	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 300 gallons of finished spray per acre. Repeat as necessary but not more than 3 times per season. Minimum dosage specified may be applied up to harvest. Higher rates up to 1 1/2 pints require a 10-day interval to harvest and above 1 1/2 pints a 28-day interval to harvest.
Straw- berries	Aphids Meadow spittlebug Oblique-banded leaf roller Omnivorous leaf tier Obscure root weevil Pea leaf weevil Small black (grass) weevil Strawberry leaf rollers Whitefly	2	Apply specified dosage in 200 gallons of water per acre as a full coverage spray*. Where ground applications dictate an air application, use specified rate in a minimum of 1 gallon of water per acre. Repeat as necessary. Do not apply within 5 days of harvest.
<u>NUTS</u>			
Almonds	Peach twig borer	1 1/2 to 2	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 500 gallons of finished spray per acre. Do not apply more than twice per season nor within 60 days of harvest. Allow 30 days between applications.
Filberts (Pacific Northwest Only)	Apple mealybug Filbert aphid Filbert leaf roller Filbertworm -	1 to 3	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 1000 gallons of finished spray per acre. Repeat as necessary. Do not apply within 30 days of harvest. Do not graze livestock in treated groves for 21 days after treatment.
Pecans	Aphids Fall webworm Hickory shuckworm Leaf miners May beetles Mites Pecan casebearer Southern green stink bug Spittlebug Twig girdlers Walnut caterpillar	1 1/2 to 2 1/4	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 1800 gallons of finished spray per acre. Repeat as necessary. Do not apply after husks split. Where more than 22 1/2 pints of GUTHION 2S are applied per acre in a single application do not graze livestock in treated groves. Where 22 1/2 pints or less of GUTHION 2S are applied per acre livestock may be grazed in treated groves after a 21-day post-treatment interval.

7/12

GUTHION 2S

RECOMMENDED APPLICATIONS  
(Continued)

CROP	INSECT	Pints GUTHION 2S	REMARKS
<u>NUTS (Cont'd)</u>			
Walnuts	Aphids Codling moth European red mite Filbertworm	1 1/2 to 3 3/4	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 1100 gallons of finished spray per acre. Repeat as necessary. Do not apply after husks split. Do not graze livestock in treated groves for 21 days after treatment.
<u>VEGETABLES</u>			
Artichokes	Plume moth	6	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 30 days of harvest. Do not feed or ensile treated forage.
Beans (Snap & Dried)	Leaf rollers Mites	1 to 2	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply to snap beans within 7 days of harvest nor to dry beans within 30 days of harvest. Do not exceed 4 applications on dry beans. Do not feed or ensile treated forage.
	Aphids Bean leaf beetle Green cloverworm Leafhoppers Leaf miners Stink bugs Velvet bean caterpillar	1 1/2 to 2	
	Mexican bean beetle Spotted cucumber beetle Striped cucumber beetle Tarnished plant bug Western-striped cucumber beetle	2	
	Aphids Cabbage looper Diamondback moth Imported cabbageworm	2 to 3	
Broccoli Brussels Sprouts Cabbage Cauliflower	Cabbage maggot	1/2	Mix specified dosage in 50 gallons of water. Apply 4 to 6 ounces of this emulsion per plant immediately after transplanting.
	Cabbage maggot (Transplant Fields in California only)	3	Apply specified dosage in 300 to 400 gallons of water per acre as a soil drench in the rows when damage first appears. Additional applications may be necessary. Do not apply within 21 days of harvest.
	Cabbage maggot (Direct Seeded Fields in California only)	3	Apply specified dosage per acre in sufficient water for uniform distribution. Mix in the upper 2 inches of soil prior to seeding or spray in the seed row at planting time. Usually 2 to 3 additional sprays are necessary during the growing season depending upon time of year and maggot population. Do not apply within 21 days of harvest.

8/12

GUTHION 2S

RECOMMENDED APPLICATIONS  
(Continued)

CROP	INSECT	Pints GUTHION 2S	REMARKS
VEGETABLES (Cont'd)			
Celery	Aphids Leaf miners Leafhoppers Spittlebugs Tarnished plant bug	2	Apply specified dosage in 100 gallons of water as a full coverage spray* using not more than 200 gallons of finished spray per acre. Repeat as necessary but not within 14 days of harvest.
Blackeyed peas (Southern peas, Crowder peas)	Corn earworm Cowpea curculio	3 to 4	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than 4 times per season nor within 7 days of harvest. Do not use vines for feed or forage nor pasture treated areas.
	Leaf miners Stink bugs	1 1/2 to 2	
Cucumbers	Spotted cucumber beetle Striped cucumber beetle Western-striped cucumber beetle	2	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than 3 times per season nor within 1 day of harvest.
Eggplant	Leaf miners	1 1/2 to 2	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply after fruit set.
	European corn borer Flea beetles	2	
Onions (Green & Dry)	Thrips	2 to 3	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1 gallon per acre. Do not apply more than 3 times per season nor within 28 days of harvest of dry onions or 7 days of harvest of green onions.
Peppers	Leaf miners	1 1/2 to 2	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1 gallon per acre. A maximum of 4 treatments may be made up to within 3 days of harvest. Where more than 4 applications are required, do not apply last spray within 14 days of harvest.
	European corn borer Flea beetles	2	
Potatoes	Colorado potato beetle	1 1/2	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 7 days of harvest.
	Banded cucumber beetle	1 1/2 to 2	
	Leaf miners		
	Aphids European corn borer Flea beetle Leafhoppers Spittlebugs Tarnished plant bug	2 to 3	
	Tuberworm		
		2 1/4 to 3	



9/12

RECOMMENDED APPLICATIONS  
(Continued)

(Continued)

CROP	INSECT	Pints GUTHION 2S	REMARKS
<u>VEGETABLES (Cont'd)</u>			
Spinach	Aphids Leaf miners Mites	1 1/2 to 2	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 14 days of harvest.
Tomatoes	Colorado potato beetle	1 1/2	Apply specified dosage per acre by air or ground equipment in sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. The high rates should be used where heavy infestations of late instar lepidopterous larvae (large worms) and pinworms are present. Rates of 3 pints or less per acre may be applied up to day of harvest. Rates above 3 pints per acre require an interval of 14 days between application and harvest.
	Banded cucumber beetle	1 1/2 to 2	
	<u>Drosophila</u>		
	Green stink bug		
	Leaf miners		
	Whitefly	2 to 3	
	Aphids		
	European corn borer		
	Flea beetles		
	Grasshoppers	2 1/4 to 3	
	Leafhoppers		
	Thrips		
Tuberworm			
Corn earworm	3 to 6		
Fruitworm			
Hornworm			
Pinworm			
Yellow-striped armyworm			
<u>MELONS</u>			
Honeydew Melons	Leafhoppers Leaf miners	1 1/2 to 2	Apply specified dosage per acre by air or ground equipment in sufficient water to give complete coverage but not less than 1 gallon per acre. Repeat as necessary up to the day of harvest but not more than 4 times per season.
Muskmelons (Cantaloupe)	Rindworms	2	
Watermelons	Spotted cucumber beetle		
Other melons	Striped cucumber beetle		
	Western-striped cucumber beetle		
<u>ORNAMENTALS</u>			
Ornamentals Nursery Plants, Forest & Shade Trees	Aphids	1 1/2 to 2	Apply specified dosage per 100 gallons of water (2 teaspoonfuls per gallon). Spray all foliage surfaces including the underside of leaves for complete coverage. For control of black pine leaf, brown soft, European elm, and Putnam scales, use 1 tablespoonful per gallon. Repeat as necessary.
	<u>Cerococcus</u> scale		
	<u>Euonymus</u> scale		
	Juniper scale		
	Lace bugs		
	Leafhoppers		
	Mites		
	Olive scale		
Oystershell scale	4		
<u>Pulvinaria</u> scale			
Thrips	3 to 4		
Brown soft scale			
Putnam scale			
	European elm scale		
	Black pine leaf scale		

10/12

# GUTHION 2S

## RECOMMENDED APPLICATIONS (Continued)

CROP	INSECT	Pints GUTHION 2S	REMARKS
ORNAMENTALS (Cont'd)  Ornamentals, Nursery Plants, Forest & Shade Trees (Cont'd)	Cone midge Cone moth	8 to 16	Apply specified dosage per 100 gallons of water. Time applications to coincide with moth flight when cones are open for pollination. Thorough coverage of cones is necessary for maximum control. Repeat as necessary.
	European pine shoot moth Nantucket pine tip moth	1 1/2 to 3	Apply specified dosage per acre in sufficient water for good coverage. Time applications to coincide with moth flights. For application to individual trees, use 1 tablespoonful of GUTHION 2S per gallon of water.
	Injury to hawthorn or American linden may occur under some conditions Do not allow children or pets on treated area until material has been washed into soil and treated area is dry.		
	Slash Pine Coneworm Seedworm	6	Apply specified dosage per 100 gallons of water. Thorough coverage of cones is necessary for maximum control. Repeat as necessary.

\*This concentration is calculated for conventional hydraulic-type sprayers. When lower volumes of spray are applied per acre with concentrate sprayers, increase the concentration of GUTHION 2S in the spray mixture in order to apply amount of GUTHION 2S per acre equivalent to a full coverage spray. Where conditions dictate an air application, apply dosage per acre equivalent to a full coverage ground spray in not less than one gallon of water per acre.

## RESTRICTIONS

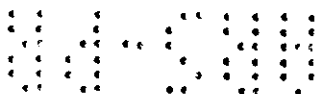
Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not graze livestock in treated orchards or groves for 21 days after treatment. Do not treat food crops grown in the greenhouse.

Highly toxic to fish and wildlife. Do not contaminate any body of water nor apply to any area not specified on the label.

## CONTAINER DISPOSAL

DO NOT RE-USE THE CONTAINER - Completely empty the contents and bury the unused chemical at least 18 inches deep in an isolated location away from water supplies. Rinse empty drum by filling with water and add 1 cup of household lye to each 5 gallons of water. Bury rinse solution at least 18 inches deep in an isolated area away from water supply. Punch holes in the top and bottom of the can, crush the can, and bury deeply in an isolated location.

Do not use container in any connection with feed, food, and drinking water.



## DANGER

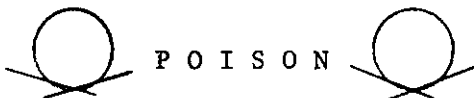
Poisonous if swallowed, inhaled, or absorbed through the skin. Do not get in eyes or on skin. Do not breathe fumes or spray mist. Spray operator should work to windward to stay out of drift or mist.

When loading spray tank or handling the concentrate at any other time, wear protective clothing, natural rubber gloves, and goggles. A mask or respirator recommended by the U.S. Department of Agriculture for protection against GUTHION should also be worn when handling the concentrate.

Do not contaminate feed or foodstuffs. Keep out of reach of children and domestic animals. Keep all unprotected persons out of the operating area or vicinity where there may be danger of drift. Wash hands, arms, and face thoroughly with soap and warm water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

SYMPTOMS OF POISONING: A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

TREATMENT: In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed, induce vomiting by giving a tablespoonful of salt in a glass of warm water. Administer milk or water freely and again induce vomiting until vomit fluid is clear. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes.



## TO PHYSICIAN:

ANTIDOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

## WARRANTY AND LIMITATION OF DAMAGES

Chemagro Corporation 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 risks referred to therein. CHEMAGRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, and no agent of Chemagro Corporation 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 values, etc.

GUTHION is Reg. TM in U.S. and Can. Pat. Offs. by Farbenfabriken Bayer A.G., Chemagro Corporation licensee.

12/12

ACCEPTED  
MAY 28 1971  
FEDERAL INSECTICIDE  
AND RODENTICIDE ACT  
EPA POISON REGISTER  
EPA REG. NO. 3195-193  
NO ATTACHED COMMENTS.

100-500000

100-500000