

FOR USE BY PEST CONTROL OPERATORS ONLY

DIRECTIONS

Mix Guardian 2 lb DDVP in Oil to proper strength before using. Read Directions Before Using.

Preparation of Premises: This product is toxic to fish. **Keep Out Of Any Body of Water.** After application, open several windows or doors to create air currents to insure reduction of DDVP vapors. **REMOVE FISH AQUARIA FROM ROOM BEING TREATED.**

For thorough or complete treatments of homes, apartments and other living premises, occupants should vacate and not reoccupy the premises for at least four hours after treatment. Industrial establishments should be thoroughly and completely treated after closing and when empty of personnel.

Preparation of Solution. Mix one part of Guardian 2 lb DDVP with 49 parts of oil or 24 parts of oil to prepare the diluted solution. See DANGERS for Handling the Concentrate.

Parts of Oil	Parts Guardian 2 lb DDVP	Final Strength
49	1	0.5%
24	1	1.0%

Strain the solution occasionally. Prepare the volume to be used immediately or at least within 2 to 3 days, store in hermetic or polyethylene lined container. Wash out spray equipment before storing.

SOLUBILITY: Guardian DDVP 2 lb is a concentrate that dissolves in odorless oils or other petroleum solvents.

After use, dispose of all empty containers by burning or burying. Flush all waste or residues with soap and water if spilled.

REMOVE ALL PETS AND AQUARIA BEFORE TREATMENT.

FLIES: Use low pressure sprayer. Apply as a general spray. Spray cracks and crevices, into corners, behind curtains and drapes, and window sills, where insects may enter. Repeat as often as necessary.

COCKROACHES: With the diluted solution treat cracks, baseboards, closets, pipe entries and other places cockroaches infest. Apply by fine pencil stream sprayer. Thorough application is desired.

WATERBUGS, SILVERFISH, ANTS: are controlled indoors by the procedures recommended for cockroaches. Outdoors, rat hills and visible ant trails should be thoroughly wetted with diluted solution. Repeat as often as necessary.

FLEAS: With an 0.5% solution treat cracks, baseboards, closets, bedchairs, undersides of chairs, couches, stools and other places the insects may infest. Treat floors and floor coverings. Repeat as often as necessary. Apply with a low pressure sprayer. Thorough application is desired. Treatment of rug, curtains and fabrics should be light. Make spot treatment to avoid damage.

BEDBUGS: Mattresses may be lightly treated on the underside around seams and buttons using a 0.5% solution. Ventilate about 12 hours before reuse. Treat cracks and baseboards.

DOGS AND CAT BEDDING: May be treated on underside to kill fleas. Ventilate mattress and bedding 12 hours before reuse. Treat bedding lightly. **DO NOT USE ON PETS.**

BROWN DOG TICK: In kennels and sheds not occupied by humans which are infested with brown dog ticks apply solution with low pressure sprayer to floor, floor coverings and other infested areas. Also apply with pencil stream spray, cracks in floors, walls, doors, door frames and other places where ticks hide. Use 1 quart of 0.5% diluted solution per 500 square feet of floor space. Close kennel for 4-8 hours before ventilating. Note that this dose of DDVP is about 2 times greater than doses suggested for the cockroach and flies.

DO NOT USE ON PETS

MOSQUITOES: Indoors mosquitoes are killed by the procedure recommended above for fly control. Mosquito larvae outdoors are controlled by spraying a 1% solution on breeding areas. Mix 1 part DDVP 2 lb (85 wt) with 24 parts of oil for a 1% solution. Apply 8 gallons of 1% concentrated solution to one acre or about 1 quart to 100 square feet of adult mosquito control outdoors. For concentrated applications by mechanical sprayers use 24 parts of 1.5 parts of Guardian 2 lb DDVP in 2 to 5 gallons of oil per acre. Repeat as often as necessary. Do Not Treat Areas Where Food or Feed Crops Are Growing.

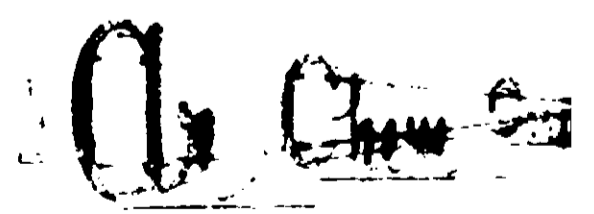
GUARDIAN

Net Contents:

DDVP - 2 L.B. C
A volatile P.C.O.

Active Ingredients:
Dichloro-diphenyl ether
Diphenyl ether
Diphenyl ether

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E.I. du Pont de Nemours & Co.
Wilmington, Delaware
READ DIRECTIONS



DANGER

Guardian 2 lb DDVP is a concentrate that dissolves in odorless oils or other petroleum solvents. After use, dispose of all empty containers by burning or burying. Flush all waste or residues with soap and water if spilled.

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Use sprayer. Apply as a general spray. Apply into corners, behind curtains and under beds. Repeat as often as necessary.

Use the diluted solution treat cracks, baseboards, door frames, and other places. Use pencil stream spray. Thorough application is necessary.

FISH, ANTS: are controlled indoors. Use as recommended for cockroaches. **Outdoor ant runs** should be thoroughly wetted. Repeat as often as necessary.

Use diluted solution treat cracks, baseboards, underside of chairs, couches, stools, and other places where insects may infest. Treat floors and floor coverings often as necessary. Apply with a low pressure application is desired. Treatment of fabrics should be light. Make spot application.

May be lightly treated on the underside of buttons using a 0.5% solution. Ventilate before reuse. Treat cracks and baseboards.

BEDDING: May be treated on underside of mattresses and bedding 12 hours before use. DO NOT USE ON PETS.

In kennels and sheds not occupied by animals, use with a dog tick spray. Apply to floor, floor coverings and other places. Also apply with pencil stream spray. Use doors, door frames and other places. Use a quart of 0.5% diluted solution per 500 square feet. Close room for 4-8 hours before use. This dose of DDVP is about 2 times as strong as recommended for the control of cockroaches and fleas.

Use on pets.

Use on mosquitoes. Mosquitoes are killed by the spray. Use above for fly control. Mosquito larvae are killed by spraying a dilute solution on breeding places. Use 1 lb. of DDVP 2 lb. OS with 24 parts of oil to a gallon of water. Concentrated solution to a quart to 1400 square feet for adult mosquitoes. For concentrated applications use 24 lb. of (1.5 pints of Guardian 2 lb. OS) per acre. Repeat as often as necessary. Avoid when food or feed crops are present.

GUARDIAN



Net Contents:

DDVP - 2 L.B. CONCENTRATE OS A volatile P.C.O. DDVP Concentrate

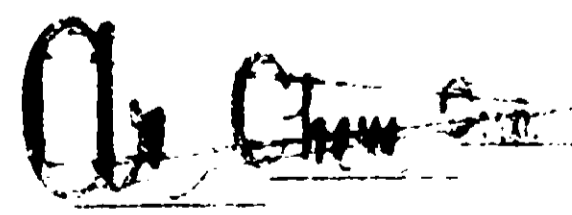
Active Ingredients:	24.2%
2,2-dimethoxy-1,2-diphenylethane	1.15%
Related Compounds:	15.10%
Diethyl Phosphate	0.05%
Inert	59.40%
Total	100.00%

DANGER POISON

(See antitoxin status of and other required data on label or side panel)

DILUTION BY VOLUME	
1 part concentrate to 100 parts of water	1:100
1 part concentrate to 250 parts of water	1:250
1 part concentrate to 500 parts of water	1:500
1 part concentrate to 1000 parts of water	1:1000

**DILUTE BEFORE USING
READ DIRECTIONS AND LABEL**



1214 E. 57th Street
Portland, Oregon 97203
Tel: 503-241-1145

PRECAUTIONS

This product is toxic to fish, birds, and other wildlife. Keep out of streams, ponds, etc. Do not apply where birds or other wildlife are present. Do not contaminate water by cleaning of equipment or disposal of waste. Storage and use should be in well-ventilated areas as recommended on this label. Do not apply to food or feed crops. Do not use on pets. Do not use on children.

DANGER

Caution concentration and the diluted solution is highly flammable. Do not use in areas where smoking is prohibited. Do not use in areas where open flames are present. Store the concentrate and diluted solution in a cool, dry place.

Children and animals must not be able to reach or handle the concentrate or diluted solution. It is recommended that only trained and experienced personnel use this concentrate that will be used immediately.

Mix the concentrate or dilute in a clean, well-ventilated area. Do not use outside of the bottle of concentrate in handling when the bottle is being used.

APPLICATIONS WITHIN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS LIMITED TO CRACK AND CREVICE TREATMENT ONLY. APPLY A SMALL AMOUNT OF MATERIAL DIRECTLY INTO CRACKS AND CREVICES SUCH AS EXPANSION JOINTS BETWEEN DIFFERENT ELEMENTS OF CONSTRUCTION OR BETWEEN EQUIPMENT BASES AND FLOOR, WALL VOIDS, MOTOR HOUSING, JUNCTION BOXES OR SWITCH BOXES, CONDUITS OR HOLLOW EQUIPMENT LEGS WHERE COCKROACHES, WATERBUGS, ANTS, SILVERFISH, HIDE. CARE SHOULD BE TAKEN TO AVOID DEPOSITING THE PRODUCT ON TO EXPOSED SURFACES OR INTRODUCING THE MATERIAL INTO THE AIR. AVOID CONTAMINATION OF FOOD OR FOOD PROCESSING SURFACES. APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS OTHER THAN AS A CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

EQUIPMENT THAT CAN DELIVER A THIN STREAM OF PESTICIDE MUST BE USED FOR CRACK AND CREVICE TREATMENT. A COARSE WET SPRAY USING A FAN TYPE NOZZLE WOULD NOT BE APPROPRIATE FOR THIS TYPE OF TREATMENT.

FLAMMABLE

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. NOT FOR USE OR STORAGE IN OR AROUND THE HOME. DO NOT ALLOW CHILDREN TO TREAT AREAS WITH SPRAYED PESTICIDE.

POISON

WARNING SYMPTOMS

Some symptoms of poisoning are: weakness, dizziness, headache, nausea, vomiting, diarrhea, abdominal cramps, etc.

ANTIDOTE

DDVP if swallowed, give water or milk. Do not induce vomiting unless directed by a physician. If vomit fluid is clear, have person drink water. Keep person lying on their side. CALL A PHYSICIAN IMMEDIATELY. If on skin, wash with soap and water. If in eyes, flush with water. If in contact, flush for at least 15 minutes with water. CALL A PHYSICIAN IMMEDIATELY. If inhaled, move person to fresh air. If breathing is difficult, have person wear a breathing apparatus. If breathing is difficult, have person wear a breathing apparatus. CALL A PHYSICIAN.

NOTE TO PHYSICIAN: All of the above symptoms may be caused by DDVP. The patient should be treated as if they had been poisoned by DDVP. The patient should be treated as if they had been poisoned by DDVP.

- (a) Monitor and maintain vital signs.
- (b) Clear chest by suction or drainage.
- (c) Observe patient closely for respiratory depression.
- (d) Repeated emesis may be induced if necessary. Do not use if patient is unconscious or if there is a possibility of aspiration.
- (e) Administer 100% oxygen if available. Do not use if patient is unconscious or if there is a possibility of aspiration.
- (f) Determine if blood alcohol level is elevated.

EPA Reg. No. 7400-51
EPA Est. No. 7400-51-001
Anticholinergic

sprayer. Apply as a general spray. into corners, behind curtains, and where insects may enter. Repeat

the diluted solution treat cracks, baseboards and other places cockroaches pencil stream sprayer. Thorough appli-

FISH, ANTS: are controlled indoors recommended for cockroaches. Outdoors ant runs should be thoroughly wetted Repeat as often as necessary.

% solution treat cracks, baseboards, underside of chairs, couches, stools, and its may infest. Treat floors and floor often as necessary. Apply with a low enough application is desired. Treatment fabrics should be light. Make spot nage.

may be lightly treated on the under- buttons using a 0.5% solution. Ventilation reuse. Treat cracks and baseboards.

BEDDING: May be treated on underside of mattresses and bedding 12 hours before bedding lightly. DO NOT USE ON PETS.

in kennels and sheds not occupied by infested with brown dog ticks apply solution sprayer to floor, floor coverings and Also apply with pencil stream spray. doors, door frames and other places quart of 0.5% diluted solution per 500 square feet. Close room for 4-8 hours before this dose of DDVP is about 2 times suggested for flies, cockroaches and fleas.

PETS:
Mosquitoes are killed by the procedure above for fly control. Mosquito larvae are killed by spraying oil solution on breeding areas. P 2 lb OS with 24 parts of oil for a gallon of 1% concentrated solution to quart to 1400 square feet for adult mosquitoes. For concentrated applications by use 24 fl. oz. (1.5 pints) of Guardian 2 lb OS of oil per acre. Repeat as often as needed at Areas Where Food or Feed Crops

I indoors



Net Contents:

DDVP - 2 LB. CONCENTRATE OS

A volatile P.C.O. DDVP Concentrate

Active Ingredients:	
2,2-dichlorovinyl dimethyl phosphate	23.25%
Related Compounds	1.75%
Aromatic Petroleum Derivative Solvent	75.00%
Total	100.00%

DANGER POISON

Keep Out Of Reach Of Children

(See antidote statement and other required danger statements on side panel.)

DDVP CONTENT BY VOLUME	
One gallon contains	2.0 lbs DDVP
One quart contains	0.5 lbs (227 grams) DDVP
One pint contains	0.25 lbs (113 grams) DDVP
One fl. oz. contains	7.0 grams DDVP

DILUTE BEFORE USING
READ DIRECTIONS AND DANGERS



1314 Eleventh Street
Portsmouth, Ohio 45362
Phone 614 353-1125

PRECAUTIONS

This product is toxic to fish, birds, and other wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label.

DANGER

Guardian concentrate and the diluted solutions are POISONOUS. Therefore precaution must be observed when handling them. (See Antidote and Dangers.) Store the concentrate and diluted material in a safe place.

Children and animals must not be able to reach or handle the concentrate or diluted solution. It is recommended that only the amount of diluted solution be prepared from this concentrate that will be used immediately.

Mix the concentrate outdoors or in a well-ventilated room. Wash off the outside of the bottle of concentrate in running water before storing away.

APPLICATIONS WITHIN FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS LIMITED TO CRACK AND CREVICE TREATMENT ONLY: APPLY A SMALL AMOUNT OF MATERIAL DIRECTLY INTO CRACKS AND CREVICES SUCH AS EXPANSION JOINTS BETWEEN DIFFERENT ELEMENTS OF CONSTRUCTION OR BETWEEN EQUIPMENT BASES AND FLOOR, WALL VOIDS, MOTOR HOUSING, JUNCTION BOXES OR SWITCH BOXES, CONDUITS OR HOLLOW EQUIPMENT LEGS WHERE COCKROACHES, WATERBUGS, ANTS, SILVERFISH, ETC. CARE SHOULD BE TAKEN TO AVOID DEPOSITING THE PRODUCT ONTO EXPOSED SURFACES OR INTRODUCING THE MATERIAL INTO THE AIR. AVOID CONTAMINATION OF FOOD OR FOOD PROCESSING SURFACES.

APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN AS A CRACK AND CREVICE TREATMENT, ARE NOT PERMITTED.

EQUIPMENT THAT CAN DELIVER A THIN STREAM OF INSECTICIDE MUST BE USED FOR CRACK AND CREVICE TREATMENT. A COARSE WET SPRAY USING A FAN TYPE NOZZLE WOULD NOT BE APPROPRIATE FOR THIS TYPE OF TREATMENT.

FLAMMABLE

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME. NOT FOR USE OR STORAGE IN OR AROUND THE HOME. DO NOT ALLOW CHILDREN IN TREATED AREAS UNTIL SURFACES ARE DRY.

POISON

WARNING SYMPTOMS

Some symptoms of poisoning are: weakness, blurred vision, salivation, sweating, nausea, diarrhea, abdominal cramps, tightness in chest.

ANTIDOTE

DDVP if swallowed, give a tablespoon of salt in a glass of warm water and repeat until vomit fluid is clear. Have victim lie down and keep warm and quiet. CALL A PHYSICIAN IMMEDIATELY. If on skin, wash with large amounts of detergent and water. In case of eye contact, flush the eyes for at least 10 minutes with water and CALL A PHYSICIAN IMMEDIATELY. If inhaled, remove victim to fresh air, keep warm and quiet. If the victim is not breathing, administer artificial respiration immediately, and CALL A PHYSICIAN.

NOTE TO PHYSICIAN: Atropine is an antidote for DDVP (Vapona). 2-PAM is also antidotal and may be administered in conjunction with atropine. Never use atropine unless warning symptoms appear.

- (a) Morphine and tranquilizers are inadvisable.
- (b) Clear chest by postural drainage.
- (c) Observe patient continuously for 48 hours.
- (d) Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small doses of any cholinesterase inhibitor.
- (e) Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.

EPA Reg. No. 7122-87
EPA Est. No. 7122-08-1
Batch No.

Date 3-13-74
Packed By