

PM 13

5481-96

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ACCEPTED
 APR 25 1996
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pest(s) registered under EPA Reg. No. 5481-96

**DDVP
 TECHNICAL GRADE
 ORGANOPHOSPHORUS
 INSECTICIDE
 AN INSECTICIDE FOR FORMULATING USE ONLY**

ACTIVE INGREDIENTS:

Dichlorvos [2,2-Dichlorovinyl dimethyl phosphate]...93.0%
 Related Compounds..... 7.0%
 Total · 100.0%

KEEP OUT OF REACH OF CHILDREN



P O I S O N

DANGER

PELIGRO



See side/back panel for additional precautions.

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

STATEMENT 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 at least 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.

EPA REG. NO. 5481-96

EPA EST. NO. 5481-CA-1

NET WEIGHT 600 POUNDS

**For the following Emergencies phone 24 hours a day:
 Transportation-Chemtrec 1-800-424-9300
 Medical: Hazard Information Services 1-800-228-5635, Ext. 169**

**AMVAC CHEMICAL CORPORATION
 4100 EAST WASHINGTON BLVD.**

LOS ANGELES, CA 90023 U.S.A.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER: POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN AND EYES. RAPIDLY ABSORBED THROUGH SKIN. REPEATED INHALATION OR SKIN CONTACT MAY WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DDVP) POISONING.

Do not swallow or get in eyes, on skin or on clothing. Do not breathe vapor. Do not contaminate food or feed products.

REQUIRED PROTECTIVE CLOTHING

Persons who handle this product must wear the following protective clothing: protective suit of one or two pieces covering all parts of the body except head, hands, and feet, chemical resistant gloves; chemical resistant shoes (or chemical resistant shoe coverings or chemical resistant boots); respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G); and a chemical resistant apron.

NOTE TO PHYSICIAN--POISONING SYMPTOMS

Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pin point pupils, salivation, sweating, nausea, vomiting, diarrhea, and 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) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an 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 percent solution in water over not less than two minutes. After about an hour, a second 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 gram.

Morphine is an improper treatment.

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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 cholinesterase regeneration has been attained as determined by blood test.

ENVIRONMENTAL HAZARDS

This product is toxic to birds, fish, and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

CHEMICAL AND PHYSICAL PROPERTIES

Keep away from heat or open flame. Formulators using this product are responsible for obtaining EPA registration of their formulated products and to provide data to support their registrations.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.
FOR FORMULATION OF DICHLORVOS INSECTICIDE PRODUCTS ONLY.

This product is intended only for use in the formulation of other Dichlorvos insecticide products. Products formulated using Amvac DDVP Technical Grade will require registration with the Environmental Protection Agency.

This product is for formulation into end-use products intended only for use on the following sites.

The use sites for which Dichlorvos products may be used are formulation specific.

Any limitations, cautions, restrictions or instructions stated below for any particular use site or formulation must be incorporated in the "end-use" label language.

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DRY FORMULATIONS

IMPREGNATED DISPENSER: Enclosed outdoor utility equipment such as communications, electric, gas, water and cable television.

- 1. FOR INDUSTRIAL COMMERCIAL USE ONLY. NOT FOR INDOOR USE OR WHERE PERSONS ARE PERMANENTLY ASSIGNED OR RESIDING.

IMPREGNATED RESIN PEST STRIPS: Homes, cabins, garages, basements, motels, museum collections, insect traps, campers, trailers, garbage cans, catch basins, trash dumpsters, animal buildings, milk rooms and enclosed utility boxes. Non-perishable packaged and bagged and bulk stored processed and raw agricultural commodities (including soybeans, corn, grains, cocoa beans and peanuts).

- 1. Do not use in hospitals or clinical rooms, such as patient rooms, wards, nurseries, operating or emergency areas. Do not use in any rooms where infants, or the sick or aged are, or will be present for any extended period of confinement. Do not use in kitchens, restaurants, or areas where food/feed are prepared or processed. Not to be taken internally by humans and animals. Do not use in food/feed processing or food/feed manufacturing areas of food/feed processing and food/feed manufacturing plants.
- 2. All resin pest strip for use by homeowners or in homes must be packaged in a cage that allows application (dispensing) without contact with the strip, is resistant to opening and is approved by Amvac Chemical Corporation prior to sale.

DRY BAIT FORMULATIONS: For outdoor use around homes, cabins, garages, commercial buildings, garbage or refuse collection and disposal areas, farm and domestic animal buildings

- 1. Do not use where animals can come into contact or consume the product.

IMPREGNATED RESIN CAT AND DOG FLEA COLLARS

AEROSOL/FOGGER FORMULATIONS

TOTAL RELEASE AEROSOL/FOGGERS

Percentage of DDVP A.I. 1.0% or less. Treatment at 0.5 gms/1000 ft. max.

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1. For use only in homes, cabins, garages, basements, animal buildings and dairy milk rooms.
2. After application, do not reoccupy premises for at least 2 hours. Before reoccupying open all doors and windows and ventilate thoroughly for at least 1 hour.
3. Do not use in kitchens unless *food/feed are* removed or covered during treatment. Cover all *food/feed* preparation surfaces, dishes and *food/feed* handling equipment before treatment. Thoroughly wash all *food/feed* preparation surfaces, dishes and *food/feed* handling equipment after treatment.

TOTAL RELEASE AEROSOL/FOGGERS

Percentage of DDVP A.I. greater than 1.0%. Treatment at 0.5 grams/1,000 cubic feet maximum.

1. For use only in homes, warehouses, railroad cars, theaters and industrial plants.
2. FOR SALE TO, USE AND STORAGE BY LICENSED PEST CONTROL OPERATORS ONLY.
3. After application, do not reoccupy treated areas for at least 2 hours. Before reoccupying open all doors and windows and ventilate thoroughly for at least 1 hour.
4. Do not use in any rooms where infants, or the sick or aged are, or will be present for any extended period of confinement.
5. Do not use in kitchens unless *food/feed are* removed or covered during treatment. Cover all *food/feed* preparation surfaces, dishes and *food/feed* handling equipment before treatment. Thoroughly wash all *food/feed* preparation surfaces, dishes and *food/feed* handling equipment after treatment.
6. Do not use to treat non-perishable *packaged or bagged* and/or bulk stored raw or processed agricultural commodities.

AEROSOL/FOGGER SPRAY CAN - NOT TOTAL RELEASE

1. For crack and crevice use only in homes, cabins, garages, basements, animal buildings, dairy milk rooms, warehouses and industrial plants.

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2. FOR SALE TO, USE AND STORAGE BY LICENSED PEST CONTROL OPERATORS ONLY.
3. Do not use as a space spray, use only as crack and crevice treatment. For residential crack and crevice use, do not apply DDVP containing products more frequently than once per month.
4. Do not use in any rooms where infants, or the sick or aged are, or will be present for any extended period of confinement.
5. Do not use to treat non-perishable *packaged or bagged* and/or bulk stored raw or processed agricultural commodities.

6. *Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed, in serving areas while food/feed is exposed or facility is in operation.*

COMMERCIAL AEROSOL / FOGGERS FOR THE FOLLOWING USES

1. For use in warehouses, silos, bulk bins and food/feed processing, food/feed manufacturing, handling and storage plants containing non-perishable, packaged or bagged raw or processed food/feed commodities or bulk raw or processed food/feed commodities.
2. FOR SALE TO, USE AND STORAGE BY COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL APPLICATORS ONLY.

The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption. Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops. Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables. Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers. Processed food/feed do not include: hermetically sealed food/feed or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.

3. When using in food/feed processing, food/feed manufacturing, handling and storage areas:
 - a. Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.

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- b. All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

NOTE: USE IS PROHIBITED IN:

food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants) excluding non-food/feed manufacturing areas.

food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants) excluding non-food/feed processing areas

Non-Food/Feed Processing Areas: Includes areas such as garbage rooms, lavatories, floor drains (to sewers entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

- 4.
 - a. Keep a minimum of a 7 day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of head space.
 - b. Do not make applications when temperatures are below 60 F.
- 5. All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AIRED PRIOR TO REENTRY OF UNPROTECTED WORKERS."

THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g. a Dräger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1 PPM); AN AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT.

DO NOT ENTER PRIOR TO _____ AM or PM ON _____ (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS.

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LIQUID FORMULATIONS

LIQUID FORMULATIONS FOR AGRICULTURAL/COMMERCIAL USE ONLY: For use in areas under the general category of farm buildings, (farm yards); manure treatments on farm premises; dairy and farm premises; feed lots, including around feed lots, stockyards, corrals, holding pens, fences and etc.; animal buildings, including barns, feeding areas, shelters and stables; dairy barns (including milk rooms, equipment and barnyards); livestock feeding areas; pens, poultry, droppings, poultry houses (equipment and yards); beef cattle, poultry, dairy cattle, goats, horses (including ponies), sheep, swine and turkeys.

1. All formulations for the above uses must state:
FOR AGRICULTURAL/COMMERCIAL USE ONLY
NOT FOR SALE FOR ANY OTHER USES
2. Do not make direct application to livestock more frequently than once per day.

LIQUID FORMULATIONS FOR THE FOLLOWING USES: Indoor crack and crevice use in non-food/feed areas of commercial/institutional and industrial areas; domestic dwellings (including campers, hotels, motels, tourist courts). For outdoor use including patios and lawns; kennels, including outside runways, window sills and ledges; outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages; refuse dumps; refuse and solid waste containers; wine cellars.

1. FOR SALE TO, USE AND STORAGE BY LICENSED PEST CONTROL OPERATORS ONLY.
2. For indoor use, only crack and crevice treatments are permitted. Space spray use is prohibited.
3. Do not use in hospitals or clinical rooms, such as patient rooms, wards, nurseries, operating or emergency areas. Do not use in any rooms where infants, or the sick or aged are, or will be present for any extended period of confinement.
4. Do not use in food/feed handling establishments, restaurants, or areas where food/feed is prepared or processed. Do not use to treat non-perishable bagged and/or bulk stored raw or processed agricultural commodities.
5. Do not treat more than 5 application sites per day and do not make DDVP applications more than once per week.

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LIQUID FORMULATIONS FOR VETERINARY USE ONLY: For direct applications to domestic animals, dogs, cats and other small animals (sponge, spray and dip).

1. All formulations for the above uses must state:

FOR VETERINARIAN USE ONLY NOT FOR SALE FOR ANY OTHER USES.

LIQUID FORMULATIONS FOR THE FOLLOWING USES: For use in mushroom houses and greenhouses (non food crops) at 2.0 gms/1000 cubic feet maximum.

1. FOR SALE TO, USE AND STORAGE BY LICENSED PEST CONTROL OPERATORS OR CERTIFIED APPLICATORS ONLY.
2. Keep a minimum of 7 day interval between applications.

LIQUID FORMULATIONS FOR USE ONLY IN COMMERCIAL APPLICATION EQUIPMENT SUCH AS CONVENTIONAL OR ULV FOGGING EQUIPMENT (SPACE TREATMENT):

1. For use in warehouses, silos, bulk bins and food/feed processing, food/feed manufacturing, handling and storage plants containing non-perishable, packaged or bagged raw or processed food/feed commodities or bulk raw or processed food commodities.
2. FOR SALE TO, USE AND STORAGE BY COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL APPLICATORS ONLY.

The term "non-perishable means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption. Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops. Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables. Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers. Processed food/feed do not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.

3. When using in food/feed processing, food/feed manufacturing, handling and storage areas:

- a. Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- b. All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

NOTE: USE IS PROHIBITED IN:

food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants) excluding non-food/feed manufacturing areas

food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants) excluding non-food/feed processing areas

Non-Food/Feed Processing Areas: Includes areas such as garbage rooms, lavatories, floor drains (to sewers entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

- 4. All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AIRED PRIOR TO REENTRY OF UNPROTECTED WORKERS.

THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g. a Dräger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1 PPM); AN AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT.

DO NOT ENTER PRIOR TO _____ AM or PM ON _____ (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS.

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DRUM HANDLING: Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood. Unscrew bungs slowly to release internal pressure.

STORAGE AND DISPOSAL

Do not contaminate water, food/feed by storage or disposal. **STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.

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 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 and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. (Plastic) Triple rinse (or equivalent). Then offer for recycling 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.

IMPORTANT: PLEASE READ BEFORE USE

By using this product, the user accepts the following:

LIMITED WARRANTY:

AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with its directions; and that the directions, warnings, cautions, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food crops, and upon reports of field experience. Testing has not been performed on all varieties of food crops, and plants, in all states, or under all application, weather and crop conditions.

There are no express warranties other than those set forth herein. Amvac neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Amvac expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality or performance.

This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions. User's exclusive remedy

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and Amvac's or Seller's exclusive liability for any claim, loss, damage, or injury resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort, or otherwise shall be limited, at Amvac's option, to replacement of, or repayment of the purchase prices for, the quantity of product with respect to which damages are claimed. In no event shall Amvac or Seller be liable for special, indirect, or consequential damages resulting from the use or handling of this product.

March 1996