

PM-13

Reg # 5481-41
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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~~3605318734~~
18/5

27 JAN 1997

Mr. Rusty F. Millar
Manager Regulatory Affairs
AMVAC Chemical Corporation
4100 East Washington Blvd.
Los Angeles, CA 90023

Dear Mr. Millar:

Subject: Label Amendments in Response to Deletion of Certain
DDVP Uses
DDVP 1 Spray Insecticide Concentrate
Reg. 5481-41
Your Submission Dated October 30, 1996

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Five copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped label is enclosed for your records.

1. The ingredient statement should declare the active ingredient as: Dichlorvos [2,2 dichlorovinyl dimethyl phosphate].

If you have any questions concerning the above, please contact me.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (7505C)

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

PHYSICAL OR CHEMICAL HAZARDS
Do not use, pour, spill or store near heat or open flame.
STORAGE AND DISPOSAL

Do not contaminate water, food or 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 nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance. **CONTAINER DISPOSAL:** (Metal) Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved State and local procedures.

READ ENTIRE LABEL BEFORE USING - USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONS AND DIRECTIONS

ALCO DDVP 1 SPRAY is designed for use in either water or oil based sprays. When used inside in closed areas, the product exhibits a fuming, penetrating action that aids in flushing out and killing insect pests in hidden, hard to reach places.

AGRICULTURAL PREMISES

Animal shelters, barns, around feed lots, dairy barns, milk sheds, poultry houses, hog barns, stables, and other farm buildings to control flies, gnats, mosquitoes, fleas, ants, brown dog ticks, and sowbugs. *adult mosquitos from horses*

Use ALCO DDVP 1 SPRAY at a 0.5% concentration. To prepare an 0.5% solution dilute 1 quart in 6 gallons of water. Apply as a coarse spray at the rate of 1 quart of solution to each 1,000 sq. ft. of surface treated. Apply to all exterior and interior surfaces, treating window sills, around doors, fences and ledges, and other areas where flies alight or roost.

For Fleas, direct spray to floors, baseboards or base of walls inside. For roaches, direct spray to cracks, crevices in walls, along base of walls and where seen running or hiding. Before treating enclosed areas, reduce air movement as much as possible by closing doors, windows, ventilators and other openings.

Do not contaminate water, feed, foodstuffs, milk or milking utensils. Repeat application as necessary. Fly control may be improved by the addition of 1 to 2 pounds of sugar to each 6 gallons of dilute spray solution. Do not treat humans or animals with this solution.

1. Do not apply regularly to calves under 6 months of age.
2. Brahman or Brahman cross cattle should not be treated, as they may show hypersensitivity to organic phosphates.
3. Do not treat animals within one day of slaughter
4. Do not apply dermally in combination with trichlorfon.
5. Do not use in homes.

FLY CONTROL ON DAIRY AND BEEF CATTLE

Horn Flies, Face Flies, House Flies, Stable Flies, and Adult Mosquitoes. Do not make direct application to livestock more frequently than once per day. Use ALCO DDVP 1 SPRAY at a 1.0% concentration. To prepare a 1.0% concentration, mix 2 quarts in 6 gallons of water. Apply as a fine mist spray, using hand or automatic equipment. Make daily application of 1 to 2 ounces per animal, making thorough application to cover all parts of the animal, including the legs. Apply to wet skin but do not wet the skin. **DO NOT APPLY MORE THAN 2 OUNCES PER ANIMAL PER DAY.** Face Fly control may be improved by the addition of 1 pound of sugar per gallon of spray solution. During application, pay particular attention to the head and shoulders, but do not apply more than 2 ounces per animal.

FOR FLY CONTROL- SWEETENED BAIT METHOD

Prepare a 0.5% concentration by mixing 2 2/3 ounces ALCO DDVP 1 SPRAY (18 teaspoonfuls) in a 1/2 gallon of mixture of 25% water and 75% corn syrup. Use approximately 1 teaspoon of this mixture, making application with a small paint brush to the forehead of the animal. Apply daily for two weeks, and as needed thereafter. This bait should be prepared and used daily, as it will lose its effectiveness upon standing.

TREATMENT OF FEEDLOTS, STOCKYARDS, CORALS, HOLDING PENS

For Flies, Gnats, and Mosquitoes. Cattle can be present during treatment of these areas. Prepare a 0.5% concentration by diluting 1 quart of ALCO DDVP 1 SPRAY in 6 gallons of water. Apply 0.2 pound actual DDVP per acre (approximately 5 gallons of 0.5% solution) using a mist blower or similar equipment. Apply as an over-all mist spray, paying particular attention to fences, feed bunkers, shade areas, spilage areas, building walls, and other areas where flies congregate. Nearby trees, shrubs, and weed growth should also be treated to control flies resting in these areas. Avoid direct application to exposed water and feed. During periods of high fly population, make applications at three-day intervals. Less frequent applications, such as weekly or bi-weekly may be made after the high population pressure has been reduced. It may be desired to apply the 0.5% concentration as a baited solution. This may be done by adding 1 pound of sugar (granulated or powdered) to each 6 gallons of spray solution. Apply in the same manner.

FLY, GNAT, AND MOSQUITO CONTROL IN ANIMAL BUILDINGS, FOG APPLICATION:

Prepare a 1.0% concentration by mixing 2 quarts ALCO DDVP 1 SPRAY in 6 gallons of water or by diluting 2 quarts ALCO DDVP 1 SPRAY in 7 gallons deodorized kerosene. Before application, reduce air movement as much as possible by closing doors, (continued on next panel)



For Sale To, Use, and Storage By Licensed Pest Control Operators Only. For Agricultural / Commercial Uses Only. Not For Sale For Any Other Uses.

DDVP 1 SPRAY
INSECTICIDAL CONCENTRATE

ACTIVE INGREDIENTS:		
2,2-Dichlorovinyl dimethyl phosphate*	12.10%	
Related Compounds*	0.91%	
INERT INGREDIENTS**	86.99%	
	Total	100.00%

Contains 1 Pound DDVP Per Gallon

KEEP OUT OF REACH OF CHILDREN
DANGER-POISON
PELIGRO



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENTS OF PRACTICAL TREATMENTS

IF SWALLOWED: Call a physician or Poison Control Center immediately. If possible vomiting should be done under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF INHALED:** Remove victim to fresh air. Call a physician immediately. **IF ON SKIN:** Immediately remove contaminated clothing and flush affected areas with plenty of water. **IF IN EYES:** Immediately flush eyes with plenty of water. Call a physician immediately.

NOTE TO PHYSICIAN: POISONING SYMPTOMS: This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. Refer to note on back/side panel for additional antidotal and precautionary statements.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Poisonous if swallowed, inhaled or absorbed through the skin or eyes. Rapidly absorbed through skin. Repeated inhalation of skin contact may, without symptoms progressively increase susceptibility to DDVP poisoning. Do not swallow or get in eyes or on skin or on clothing. Do not breathe vapors. Keep out of reach of children and domestic animals. Do not contaminate water, feed or foodstuffs. Mix the concentrate outdoors or in a well ventilated room. Keep all unprotected persons out of operational area. In case of contact, wash immediately with soap and water. Wash thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

Applicators and other handlers must wear: Coveralls over long sleeve shirt and long pants. Chemical Resistant gloves such as Barmer Laminite, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton. Chemical resistant footwear plus socks. Protective eyewear. Chemical-resistant headgear for overhead exposure. Chemical resistant apron required for mixing/loading and cleaning equipment. A respirator with either an organic vapor removing...OJV...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).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturers instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

NOTE TO PHYSICIAN - - - WARNING 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. Morphine is contraindicated. Clear chest by postural drainage. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by a blood test.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not treat more than 5 applications sites per day and do not make DDVP applications more than once per week.

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NET CONTENTS 5 GALLON

AMVAC CHEMICAL CORPORATION
4100 EAST WASHINGTON BLVD - LOS ANGELES CA 90023

BEST AVAILABLE COPY

windows, ventilators, and other openings. Using solution for each 8,000 cubic feet of space treat have not received a direct application of DDVP or milk or milking utensils. When fogging in animal by the Mine Safety and Health Administration, at under the provision of 30 CFR 11.

POULT

For fly control, use a 0.5% concentration. Prepare 1 SPRAY in 6 gallons of water. Treat areas of interior walls, feed room floors, walkways, and For indoor uses only crack and crevice treating

FLY AND MAGGOT CONTROL FOR POULTRY

Prepare a 0.5% concentration diluting 1 quart A kerosene. Apply at the rate of 2 quarts of solution

MAGGOT CONTROL FOR DOGS

Prepare a 0.5% concentration by mixing 1 quart rate of 2 quarts of solution for each 100 square

Fly Control: Prepare a 0.5% concentration by r Treat outside runways, window sills, exterior wa for each 1,000 sq. ft. For brown dog ticks, and fle kennel floors, cracks and crevices in kennels, use Cover and protect or remove feed and water treatments are permitted. Space spray use is p

FOR USE IN OUTDOOR AREAS SUCH AS LOADING DOCKS, REFUSE AREAS, AREAS ALSO USE IN OUTSIDE AREA PROCESSING PLANTS FOR CONTROL OF FLIES, ANTS, ROACHES

Prepare a 0.5% concentration by mixing 1 quart the rate of 1 quart of solution per 1,000 sq. ft. Do feed, foodstuffs, or water. Repeat treatment as

Prepare only the amount of spray needed for im Wash spills from container after use with plenty Decontaminate and clean up spills of the conc. Dispose of washings in a manner so as to not c in mixing and loading operations, mix in a well v Wear clean rubber gloves, goggles or face sh handling the concentrates. Do not use, pour spill or store near heat or oper

IMPORTANT: PLEASE READ THE FOLLOWING INFORMATION

By using this product, the user ac AMVAC warrants that (a) this product conforms to the c for the purposes stated on its label, subject to the lab directions; and (c) that the directions, warnings, caution experts' evaluations of reasonable tests of effective experience. Testing has not been performed in all state There are no express warranties other than those set for any agent or representative to make, any other warranty, implied warranties of merchantability, fitness for partic. This warranty does not extend to, and the user shall be s use of this product in any manner which is inconsistent. Under exclusive remedy and Amvac's or seller's exclusi handling of this product, whether or not based in Amvac's option, or replacement of, or repayment which damages are claimed. In no event shall Amvac resulting from the use or handling of this product. (c)USA

FOR THE FOLLOWING EMERGENCY TRANSPORTATION: CHEMICAL HAZARD INFORMATION

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

5481-41

HAZARDS
 or open flame.
DISPOSAL

STORAGE: Store product in original container.
PESTICIDE DISPOSAL: Pesticide is a pesticide, spray mixture or residue is disposed of by use according to label Environmental Control Agency, or the local office for guidance. **CONTAINER** use of in a sanitary landfill, or by other

USE STRICTLY IN ACCORDANCE WITH DIRECTIONS
 oil based sprays. When used inside that aids in flushing out and killing

USES:
 milk sheds, poultry houses, hog pens, gnats, mosquitoes, fleas, ants,

Prepare a 0.5% solution dilute 1 quart of solution to each 1,000 sq. ft. treating window sills, around doors, etc.
 Inside. For roaches, direct spray in crevices or hiding.
 much as possible by closing doors, windows, etc.
 Repeat application as needed. 2 pounds of sugar to each 6 gallons of this solution.

as they may show hypersensitivity to

FOR USE ON BEEF CATTLE

Use on **Mosquitoes**. Do not make direct contact with **ALCO DDVP 1 SPRAY** at a 1.0% solution in 6 gallons of water. Apply as a fine mist of 1 to 2 ounces per animal, including the legs. Apply to moisten **1 OUNCE PER ANIMAL PER DAY**. Use 1 quart of sugar per gallon of spray solution. Repeat applications, but do not apply more than

FOR USE ON PIGS BY BAIT METHOD

DDVP 1 SPRAY (16 teaspoonfuls) in 1 quart of water. Use approximately 1 teaspoon of this solution in the feed of the animal. Apply daily for 3 days, or as directed, as it will lose

FOR USE ON STOCKYARDS, PENS

For treatment of these areas, use **DDVP 1 SPRAY** in 6 gallons of water, or a 0.5% solution. Apply by spray, paying particular attention to window sills, and other areas where flies are likely to be present. During periods of high fly activity, such as weekly applications, it may be desirable to add 1 pound of sugar to each 6 gallons of this solution. Apply in the same manner.

FOR USE ON ANIMALS IN QUARANTINE:

Use **DDVP 1 SPRAY** in 6 gallons of water or kerosene. Before application, (continued on next panel)



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DDVP 1 SPRAY

INSECTICIDAL CONCENTRATE

ACTIVE INGREDIENTS:

2,2-Dichlorovinyl dimethyl phosphate*	12.10%
Related Compounds*	0.91%
INERT INGREDIENTS**	88.99%
Total	100.00%

Contains 1 Pound DDVP Per Gallon

KEEP OUT OF REACH OF CHILDREN
DANGER-POISON
PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENTS OF PRACTICAL TREATMENTS

IF SWALLOWED: Call a physician or Poison Control Center immediately. If possible vomiting should be done under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF INHALED:** Remove victim to fresh air. Call a physician immediately. **IF ON SKIN:** Immediately remove contaminated clothing and wash affected areas with plenty of water. **IF IN EYES:** Immediately flush eyes with plenty of water. Call a physician immediately.

NOTE TO PHYSICIAN: POISONING SYMPTOMS - This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. Refer to note on back/side panel for additional antidotal and precautionary statements.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Poisonous if swallowed, inhaled or absorbed through the skin or eyes. Rapidly absorbed through skin. Repeated inhalation of skin contact may, without symptoms progressively increase susceptibility to DDVP poisoning. Do not swallow or get in eyes or on skin or on clothing. Do not breathe vapors. Keep out of reach of children and domestic animals. Do not contaminate water, feed or foodstuffs. Mix the concentrate outdoors or in a well ventilated room. Keep all unprotected persons out of operational area. In case of contact, wash immediately with soap and water. Wash thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

Applications and other handlers must wear: Coveralls over long sleeve shirt and long pants. Chemical Resistant gloves such as Barrier Laminar, Butyl Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton. Chemical resistant footwear plus socks. Protective eyewear. Chemical-resistant headgear for overhead exposure. Chemical resistant apron required for mixing/loading and cleaning equipment. A respirator with either an organic vapor removing O.V. 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).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

NOTE TO PHYSICIAN - - - WARNING 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 choices 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. Morphine is contraindicated. Clear chest by postural drainage. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by a blood test.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not treat more than 5 applications sites per day and do not make DDVP applications more than once per week.

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windows, ventilators, and other openings. Using a suitable fogging device, apply at the rate of 1 pint of 1.0% solution for each 8,000 cubic feet of space treated. Animals may be present during fogging, provided they have not received a direct application of DDVP during the past 8 hours. Do not contaminate feed, foodstuffs, milk or milking utensils. When fogging in animal buildings, wear a pesticide respirator, jointly approved by the Mine Safety and Health Administration, and the National Institute of Occupational Safety and Health under the provision of 30 CFR 11.

POULTRY HOUSES
 For fly control, use a 0.5% concentration. Prepare the 0.5% concentration by mixing 1 quart of ALCO DDVP 1 SPRAY in 6 gallons of water. Treat areas out of reach of poultry, such as window sills, exterior walls, interior walls, feed room floors, walkways, and over the manure at the rate of 1 quart to each 1,000 sq. ft. For indoor uses only crack and crevice treatments are permitted. Space spray use is prohibited.

FLY AND MAGGOT CONTROL IN POULTRY DROPPINGS
 Prepare a 0.5% concentration diluting 1 quart ALCO DDVP 1 SPRAY in 7 gallons diesel oil or deodorized kerosene. Apply at the rate of 2 quarts of solution to each 100 sq. ft.

MAGGOT CONTROL, MANURE PILES, GARBAGE DUMPS
 Prepare a 0.5% concentration by mixing 1 quart ALCO DDVP 1 SPRAY in 6 gallons of water. Apply at the rate of 2 quarts of solution for each 100 square feet of area treated.

DOG KENNELS
Fly Control - Prepare a 0.5% concentration by mixing 1 quart ALCO DDVP 1 SPRAY in 6 gallons of water. Treat outside runways, window sills, exterior wall surfaces, ledges. Apply at the rate of 1 quart of solution for each 1,000 sq. ft. For brown dog ticks and flea control, treat outside runways, animal sleeping quarters, kennel floors, cracks and crevices in kennels, using 2 quarts per 1,000 sq. ft. Remove dogs before treating. Cover and protect or remove feed and water before treating. For indoor uses only crack and crevice treatments are permitted. Space spray use is prohibited.

FOR USE IN OUTDOOR AREAS SUCH AS PICNIC GROUNDS, PARKING AREAS, LOADING DOCKS, REFUSE AREAS, GARBAGE COLLECTION AND DISPOSAL AREAS. ALSO USE IN OUTSIDE AREAS AROUND DRIVE-IN RESTAURANTS, FOOD PROCESSING PLANTS AND WAREHOUSES.
FOR CONTROL OF FLIES, MOSQUITOES, GNATS, ANTS, ROACHES, SOBWUGS.

Prepare a 0.5% concentration by mixing 1 quart of ALCO DDVP 1 SPRAY in 6 gallons of water. Apply at the rate of 1 quart of solution per 1,000 sq. ft. Do not treat animals with this solution. Do not contaminate feed, foodstuffs, or water. Repeat treatment as necessary.

PRECAUTIONS IN USING
 Prepare only the amount of spray needed for immediate use. Do not attempt to use left-over solution. Wash spills from container after use with plenty of running water. Decontaminate and clean up spills of the concentrate by applying caustic solution or strong detergent. Dispose of washings in a manner so as to not create a hazard. In mixing and loading operations, mix in a well ventilated room or preferably outdoors. Wear clean rubber gloves, goggles or face shield and waterproof protective clothing when mixing or handling the concentrates. Do not use, pour spill or store near heat or open flame.

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 (c) 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 upon reports of field experience. Testing has not been performed in all states, or under all application, weather and site 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 and Amvac's or seller's exclusive liability for any claim, loss, damage, or injury resulting from the use of this product, whether or not based in contract, negligence, strict liability in tort, or otherwise shall be limited to Amvac's option, at its sole discretion, to replace, or to refund the purchase price for, the quantity of product with respect to which the claim or 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. (c) 5481-41, PMS 110-30-08

CALL FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY
 TRANSPORTATION: CHEMTREC 1-800-424-9300
 MEDICAL: HAZARD INFORMATION SERVICES (H.I.S.) 1-800-228-5635 Ext. 169

the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5481-41

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ALCO

For Veterinarian Use Only.
Not For Sale for any Other Uses.

DDVP 1 SPRAY

INSECTICIDAL CONCENTRATE

ACTIVE INGREDIENTS:

2,2-Dichlorovinyl dimethyl phosphate*	12.10%
Related Compounds*	0.91%
INERT INGREDIENTS:**	86.99%
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NOTE TO PHYSICIAN: POISONING SYMPTOMS - This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. Refer to note on back/side panel for additional antidotal and precautionary statements.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

Applicators and other Handlers must wear: Coveralls over long sleeve shirt and long pants. Chemical Resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton. Chemical resistant footwear plus socks. Protective eyewear. Chemical-resistant headgear for overhead exposure. Chemical resistant apron required for mixing/loading and cleaning equipment. A respirator with either an organic vapor removing O/V 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).

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See Side/Back Panel For Additional Precautionary Statements
EPA REG. NO. 5481-41 EPA EST. NO. 5481-CA-1
NET CONTENTS 5 GALLON

AMVAC CHEMICAL CORPORATION

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5481-41

ENVIRONMENTAL HAZARDS
This product is toxic to fish and wildlife. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE
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PHYSICAL OR CHEMICAL HAZARDS
Do not use, pour, spill or store near heat or open flame.

STORAGE AND DISPOSAL
Do not contaminate water, food or 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 nearest State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance. **CONTAINER DISPOSAL:** [Metal] Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved State and local procedures.

READ ENTIRE LABEL BEFORE USING - USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONS AND DIRECTIONS

ALCO DDVP 1 SPRAY is designed for use in either water or oil based sprays. When used inside in closed areas, the product exhibits a fuming, penetrating action that aids in flushing out and killing insects pests in hidden, hard to reach places.

DOG KENNELS

Fly Control - Prepare a 0.5% concentration by mixing 1 quart ALCO DDVP 1 SPRAY in 6 gallons of water. Treat outside runways, window sills, exterior wall surfaces, ledges. Apply at the rate of 1 quart of solution for each 1,000 sq.ft. For brown dog ticks, and flea control, treat outside runways, animal sleeping quarters, kennel floors, cracks and crevices in kennels, using 2 quarts per 1,000 sq.ft. Remove dogs before treating. Cover and protect or remove feed and water before treating. For indoor uses only crack and crevice treatments are permitted. Space spray use is prohibited.

DOGS

Fleas, Lice Ticks - For Veterinarian Use Only - Prepare a 0.2% concentration by adding 5 1/4 teaspoons of ALCO DDVP 1 SPRAY to 1 gallon of water. Apply to dog by spraying, with as sponge, or by dipping. Apply so as to thoroughly wet the hair of the animal. When used as a dip, immerse the entire body except the head. Before using as a dip, make sure the dog is wetted. Avoid contact of the solution with the eyes and mouth of the animals. Wear natural rubber gloves when applying.

PRECAUTIONS IN USING

Prepare only the amount of spray needed for immediate use. Do not attempt to use left-over solution. Wash spills from container after use with plenty of running water. Decontaminate and clean up spills of the concentrate by applying caustic solution or strong detergent. Dispose of washings in a manner so as to not create a hazard. In mixing and loading operations, mix in a well ventilated room or preferably outdoors. Wear clean rubber gloves, goggles or face shield and waterproof protective clothing when mixing or handling the concentrate. Do not use, pour spill or store near heat or open flame.

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 (c) 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 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 price 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. (c:5481-41V,PM510-30-96)

ACCEPTED FOR REGISTRATION WITH THE EPA Label Dated

RECORDED 27 JAN 1997

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY
TRANSPORTATION: CHEMTREC 1-800-424-9300
MEDICAL: HAZARD INFORMATION SERVICES (H.I.S.) 1-800-228-5635 Ext. 169

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