

**HOW TO APPLY:** Apply with fogging or misting equipment at the rate of 1 quart of the 0.5% solution or 1 pint of the 1.0% solution per 8,000 cubic feet. Before applying, reduce air movement as much as possible by closing doors, windows and other openings. Do not contaminate water, feed or food-stuffs, milk or milking utensils. Do not use in areas where animals have received direct applications of DDVP within 8 hours.

**CATTLE FEED LOTS, STOCKYARDS, HOLDING PENS, CORRALS**

**INSECTS:** Flies, gnats and mosquitoes.

**MIXING RATE:** Use a 0.5% DDVP solution by mixing 1 pint of this product with 12 gallons of water.

**HOW TO APPLY:** Apply with a mist blower or other suitable equipment as an overall application at the rate of 0.2 pounds of Technical DDVP per acre (approximately 5 gallons of the 0.5% solution). Particular attention should be given to areas where flies congregate such as fences, spillage areas, around feed bunks, and walls of buildings. Animals may be present during treatment. Avoid direct application to exposed feed and water.

**DAIRY AND BEEF CATTLE APPLICATIONS**

**AS A SPRAY**

**INSECTS:** Horn flies, stable flies, face flies, house flies and mosquitoes.

**MIXING RATE:** Use a 1.0% DDVP solution by mixing 1 quart of this product with 12 gallons of water.

**HOW TO APPLY:** Apply 2 fl oz of mix per animal daily as a mist with hand or an automatic sprayer. Spray to cover all parts of the animal including the legs, but do not wet the skin. Do not apply in excess of 2 fluid ounces per animal per day. This may be made in two applications of 1 fl oz in the morning and 1 fl oz in the evening. For horn flies, direct the spray to the back line, withers and belly. For face flies, spray the forehead taking care to avoid getting spray in eyes. **IMPORTANT PRECAUTIONS:** Do not apply to young calves under 6 months old. After treating dairy cattle, wash the teats with an approved cleaning solution and then dry them prior to milking. Do not treat sick or convalescing animals. Do not treat Brahman-cross cattle, as they may show hypersensitivity to organophosphate insecticides. Do not apply dermally in conjunction with Trichlorfon and do not use on animals simultaneously or within a few days before or after treatment with, or exposure to, cholinesterase inhibiting drugs, pesticides or chemicals. Do not make direct application to livestock more frequently than once per day.

**FOR BAITED SOLUTION:** Sugar may be added at the rate of 1 pound per gallon of the 1.0% solution. To use for control of face flies, apply approximately 3 ml of this to the forehead of the animal by making a single 6-inch stroke with a paintbrush. Treat in morning while dairy animals are in the barn.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE 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 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.

**LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

**THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

**BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES 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 THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE FULLEST EXTENT PERMITTED BY LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

Chem-Tech, Ltd. offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty, which may be varied only by agreement in writing signed by an authorized representative of Chem-Tech, Ltd.

**VAPONA**

**PROLAP®**  
**Vapona 400E**



- Emulsifiable Concentrate**
- Use on Beef & Dairy Cattle and their premises**
- Controls flies, mosquitoes and gnats**

**FOR AGRICULTURAL/COMMERCIAL USE ONLY.  
NOT FOR SALE OR FOR ANY OTHER USES.**

**ACTIVE INGREDIENTS:**

Dichlorvos (2,2-Dichlorovinyl dimethyl phosphate)*	41.4%
Related Compounds	3.1%

**INERT INGREDIENTS\*\*:** 55.5%

**TOTAL** 100.0%

\*Equivalent to 44.5% DDVP Insecticide or 4 lbs./gal.

\*\*Contains Xylene range aromatic solvent.

EPA Reg. No. 5481-204-47000

EPA Est. No. 5481-CA-1



**KEEP OUT OF REACH OF CHILDREN  
DANGER - PELIGRO  
POISON**



See inside label for First Aid Statements and additional Precautionary Statements.  
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.)

**NET CONTENTS: 2.5 U.S. GALLONS (9.462 L)**

Manufactured For: Chem-Tech, Ltd. • 4515 Fleur Drive • Des Moines, IA 50321



<b>FIRST AID Organophosphate</b>	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>EMERGENCY INFORMATION</b>	
For emergency information contact the National Pesticide Information Center at 1-800-858-7378 between 6:30 am and 4:30 pm Pacific Time. After 4:30 pm call your poison control center.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>NOTE TO PHYSICIAN</b>	
<b>POISONING SYMPTOMS:</b> Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps. <b>TREATMENT:</b> 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. 2-PAM is also antidotal and may be administered in conjunction with Atropine. 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 cholinesterase regeneration has been allowed as determined by blood test.	

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

**DANGER.** Poisonous if swallowed, inhaled or absorbed through the skin. 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 vapors. Do not contaminate food or feed products. Do not treat more than five (5) application sites per day and do not make DDVP applications more than once per week. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

**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-sleeved 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
- Respirator with 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) or a NIOSH approved respirator with an organic vapor-removing (O/V) cartridge or canister with any R, P or HE prefilter.

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.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not apply where run-off is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on treated area. Do not apply when bees are visiting ornamentals, weeds, or other vegetation blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not use, pour, spill or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**OUTDOOR PEST CONTROL**

**FOGGING AND MISTING**

Outdoor Living Areas, Picnic Areas, Backyard Areas, Patios, Loading Docks, Outdoor Latrines, Parking Areas, Refuse Areas around Service Stations, Open Air Drive-Ins, Garbage Collection and Disposal Areas.

**INSECTS:** Flies, Mosquitoes, Gnats

**MIXING RATE:** Use a 1% fogging or misting solution by mixing 1 quart with 12 gallons of water or 1 quart with 14 gallons of diesel oil.

**HOW TO APPLY:** Apply the 1% fogging solution with fogging apparatus or mist blowers at the rate of 5 to 10 pints per acre (equivalent to 0.05 to 0.10 pound DDVP insecticide per acre). Do not treat areas where food or feed crops are growing. AS A SPRAY for the control of flies, gnats mosquitoes, roaches, fleas, ants, sowbugs and brown dog ticks, use a 0.5% spray solution by mixing 1 pint of this product with 6 gallons of water or 1 pint in 7 gallons of diesel oil. Apply as a coarse wet spray at the rate of 1 quart per 1,000 sq. ft. Do not treat animals or humans. Do not contaminate water, food, food containers or cooking utensils. Repeat as necessary. This product may be used as a 1% to a 3% fog or mist solution to control flies, mosquitoes, wasps, gnats and other small flying insects in outdoor areas.

**MANURE PILES, GARBAGE DUMPS**

For the control of fly maggot breeding areas, apply at the rate of 1 to 2 quarts of 0.5% spray solution per 100 sq. ft. Use 1 quart of 1% solution.

**DOG KENNELS**

Apply to outside dog runways, windowsills and ledges at the rate of 1 quart of 0.5% spray solution per 1,000 sq. ft. For the control of fleas and brown dog ticks, increase dosage to 2 quarts of 0.5% spray per 1,000 sq. ft. NOTE: Remove dogs and cover or remove feed and water before treating.

**ANIMAL BUILDINGS**

Horse Barns, Dairy Barns, Shelter Sheds, Milk Sheds, Piggens, Outdoor Areas.

Treatment should be made during hours when buildings are unoccupied. Buildings should be closed and ventilation kept at a minimum during application of the insecticide. Lock all entrances and do not allow unprotected workers to enter building when being treated.

Place WARNING signs at all entrances stating:

“THIS BUILDING SHOULD BE OPENED AND AIRED PRIOR TO RE-ENTRY TO 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 DRAGER 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 [FOR CALIFORNIA – 0.01 PPM OR LESS] IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT.

DO NOT ENTER PRIOR TO \_\_\_\_\_ O'CLOCK \_\_\_\_\_ (DATE) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP AREA 50% OF THE PEL OR LESS.”

IN CALIFORNIA: PERSONS ARE NOT ALLOWED TO ENTER TREATED STRUCTURES BEFORE 24 HOURS AFTER TREATMENT WITHOUT PERSONAL PROTECTIVE EQUIPMENT (PPE), OR UNTIL AIR MONITORING AS ABOVE SHOWS DDVP CONCENTRATIONS TO BE 0.1 ug/l OR LOWER; (0.01 PPM OR LESS).

**AS A SPRAY**

**INSECTS:** Flies, gnats, mosquitoes, roaches, fleas, ants, sowbugs and brown dog ticks. IMPORTANT: Applicator should wear an approved respirator when using this product indoors and should vacate the area after treatment. See Hazards to Humans and Domestic Animals paragraph.

**MIXING RATE:** Use a 0.5% spray solution by mixing 1 pint of this product with 12 gallons of water. Apply as a coarse wet spray at the rate of 1 quart per 1,000 sq. ft.

**HOW TO APPLY:** Before applying in enclosed areas, reduce air movement as much as possible by closing doors, windows and other openings. Spray around doorways, feed storage rooms, alleyways and windowsills. Do not contaminate water, feed or foodstuff. Repeat as necessary. Animals may be present during treatment. In poultry houses, apply to manure, windowsills, outside of penned enclosures and floor of feed storage rooms.

**AS A FOG**

**INSECTS:** Flies, gnats, and mosquitoes.

**IMPORTANT PRECAUTIONS:** Remove animals before fogging. Applicator must not remain in treated area. Start application at far end of building and backup toward exit while treating. Keep area closed for at least 10 minutes to kill resting adult flying insects. After treatment, the area should be opened up and ventilated prior to reoccupying by humans or animals.

**MIXING RATE:** Use a 0.5% to 1.0% fogging solution by mixing 1 pint of this product with 14 gallons of diesel oil for 0.5% and for 1.0% dilute 1 quart per 14 gallons of diesel oil.