

DANGER

Keep out of reach of children and domestic animals. This product is poisonous if swallowed, inhaled or absorbed through skin or eyes. Do not get on skin or eyes. Do not breathe fumes. Avoid exposure to fumes. Wear clean rubber gloves, water-proof, protective clothing, and goggles when handling the concentrate to prepare emulsions. Wear a mask or respirator of a type passed by the U. S. Bureau of Mines for DDVP (Vapona Insecticide) protection. 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.

DECONTAMINATE AND DESTROY USED CONTAINERS.

Decontaminate containers by washing thoroughly with a strong solution of alkali and detergent and rinsing with water. Destroy containers by crushing or puncturing, then bury or burn. Dispose of rinsings in a way as not to constitute a hazard, or contaminate water supplies.

ANTIDOTE AND FIRST AID TREATMENT

Atropine is the emergency antidote for Vapona Insecticide poisoning.

INTERNAL: If the material has been swallowed, induce vomiting immediately. This may be done by introducing a finger into the throat or by giving warm salt water (1 tablespoon of salt to a glass of water). NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

EXTERNAL: If the material has been spilled on the skin, immediately remove patient from the vicinity of the insecticide, remove all contaminated clothing, and wash skin with soap and running water. If the material gets into the eyes, wash immediately with running water for at least ten minutes.

IF WARNING SYMPTOMS APPEAR:

Keep patient prone and quiet. Start artificial respiration immediately if patient is not breathing. Transport the patient immediately to the nearest hospital.

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.

Pralidoxime chloride (2-PAM chloride) 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 250cc 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 grams.

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 blood test.

PRECAUTIONS IN USING

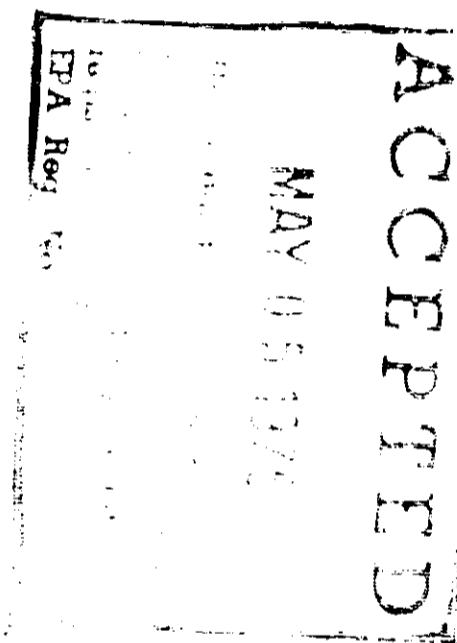
This product and the diluted emulsion are poisonous. Therefore, precautions must be observed when handling them. (See antidote and warnings statement.)

Store the concentrate in a safe place. Children or animals must not be able to reach or handle the concentrate or diluted emulsion. It is recommended that only the amount of diluted emulsion that will be used immediately be prepared from the concentrate.

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

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 apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

VAPONA
INSECTICIDE
(This product contains 2 lb. of Vapona Insecticide per gallon)



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DIRECTIONS FOR USE

ANIMAL BUILDINGS

Apply this product as a 0.5% spray to control flies, gnats, mosquitoes, roaches, fleas, and brown dog ticks.

To prepare a 0.5% spray, dilute 1 pint of this product with 6 gallons of water. Apply as a coarse wet spray at the rate of 1 quart per 1000 square feet.

For a baited solution, sugar may be added at the rate of 1 pound per gallon of 1.0% spray.

Before applying in enclosed areas, reduce air movement as much as possible by closing doors, windows, and other openings. Do not treat animals or humans. Do not contaminate water, feed or foodstuffs, milk or milking utensils. Repeat as necessary.

Dairy Barns, Stables, Livestock Buildings, Loafing Sheds, Pig Pens, and Outdoor Areas: Spray around doorways, feed storage rooms, alleyways, and window sills. Do not contaminate milk or milking utensils.

Poultry Houses: Apply to manure, window sills, outside of penned enclosures and on floor of feed storage rooms.

Manure Piles, Garbage Dumps: For the control of fly maggots in maggot breeding areas, apply at the rate of 1-2 quarts of 0.5% spray per 100 square feet.

Dog Kennels: Apply to outside dog runways, window sills and ledges. For the control of fleas and brown dog ticks, increase dosage to 2 quarts of 0.5% spray per 1000 square feet.

FOGGING ANIMAL BUILDINGS

Apply this product as a 0.5% - 1.0% fog to control flies, gnats and mosquitoes.

To prepare a 0.5% fogging solution, dilute 1 pint of this product with 7 gallons of diesel oil (for a 1.0% solution, dilute 1 quart per 7 gallons of oil).

Apply at the rate of 1 quart of a 0.5% solution or 1 pint of a 1% solution per 8000 cubic feet. Before applying reduce air movement as much as possible by closing doors, windows and other openings. Do not contaminate water, feed or foodstuffs, milk or milking utensils. Do not use this solution for fogging purposes in areas where animals have received direct application within 8 hours.

Do not apply in milk rooms. Animals should be removed from premises before spraying.

CATTLE FEED LOTS, STOCKYARDS, HOLDING PENS, CORRALS

Apply this product as a 0.5% spray to control flies, gnats and mosquitoes.

To prepare a 0.5% spray, dilute 1 pint of this product with 6 gallons of water. Apply with a mist blower or other suitable equipment as an overall application at the rate of 0.2 pound of Technical Vapona[®] per acre (approximately 5 gallons of 0.5% spray). 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.

CATTLE, BEEF AND DAIRY

Apply Vapona Insecticide as a 1.0% spray to control horn flies, stable flies, face flies and mosquitoes.

To prepare a 1.0% spray, dilute 1 quart of this product with 6 gallons of water. Apply 1 to 2 fluid ounces per animal as a mist spray daily with hand or automatic sprayer. Spray to thoroughly 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.

Do not treat animals within one day of slaughter.

Do not apply dermally in combination with Trichlorofon.

WARRANTY AND LIMITATION OF DAMAGES. Helena Chemical Company 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 inherent risks referred to therein. Helena Chemical Company makes no other expressed or implied warranty, including any other expressed or implied warranty of **FITNESS** or of **MERCHANTABILITY**, and no agent of Helena Chemical Company is authorized to do so except in writing with a specific reference to this warranty. Any damage arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential or commercial damages such as loss of profit or value, etc.

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EPA Reg. No. 5905-259

This product contains 2.6 lb of Vapona[®] Insecticide per gallon.

