

...and ...
...
EPA Reg. No. 773-45



DANGER:

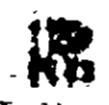
Keep out of reach of children

ACCEPTED

JAN 26 1974

POISON
ANTIDOTE

ONE PINT



DOSAGE AND ADMINISTRATION:

DANGER

SOLD TO GRADUATE VETERINARIANS ONLY

VECTO* Emulsifiable Concentrate

EPA Reg. No. 773-45

Vecto*

EMULSIFIABLE CONCENTRATE, 3/4

Brand of 2,2-Dichlorovinyl Dimethyl Phosphate
For use by a graduate veterinarian or
under his direct supervision.

773-45

VECTO* Emulsifiable Concentrate contains an organic phosphorus insecticide, 2,2-dichlorovinyl dimethyl phosphate, which is highly toxic to insects. It is unique in that it is lethal by direct contact or by vapor action.

INDICATIONS:

1. To control ectoparasites: ticks, fleas and lice on dogs and cats.
2. To control ticks and fleas in veterinary hospitals.
3. To control face flies on dairy cattle.
4. To control houseflies, horn flies, stable flies, mosquitoes on cattle, sheep, goats and swine.
5. To control flies, gnats, mosquitoes, chiggers, fleas, ants and brown dog ticks on premises.

DIRECTIONS FOR USE:

Wear natural rubber gloves when applying. Read this literature completely before using VECTO* Emulsifiable Concentrate.

DOGS AND CATS:

Application by dipping, drenching or spraying.

Ticks: Add 20 ml. per gallon (5 ml. per quart) of warm water, apply over entire body, just sufficient to thoroughly wet skin. Be sure solution penetrates fur. Do not treat animals twice in the same day, if necessary repeat treatment after 10-14 days at intervals. Always wash thoroughly before adding new treatments. For puppies and kittens use proportionately less solution.

Fleas and lice: Add 1 ml. per gallon warm water. Bathe the animal prior to application of the product, etc. to assure a thoroughly wet coat. After washing of the animal with water, pour or sponge on the prepared emulsion solution over the entire body. For puppies and kittens use proportionately less solution. Repeat application as recommended at 4-7 day intervals if necessary.

BEEF AND DAIRY CATTLE:

Face flies: Add 1.5 fl. oz. per gallon (0.4 quart) of heavy corn syrup and 1 quart of warm water. Mix. Apply at 1-3 ml. of mixture with the emulsion on the face of the animal to forehead of the animal during the first 2-3 weeks of the daily application in the morning while animal is in stall. Apply as needed thereafter.

Houseflies: Add 1.5 fl. oz. per gallon (0.4 quart) of heavy corn syrup and 1 quart of warm water. Mix. Add 7 fl. oz. to 1 gallon of water. Apply 1-2 fl. oz. of this water emulsion per animal as a mist spray during a hand or automatic sprayer. Spray entire animal but do not wet the skin. Do not apply in excess of 2 fl. oz. per animal per day.

brown dog ticks on premises.

DIRECTIONS FOR USE:

Wear natural rubber gloves when applying. Read this literature completely before using VECTO* Emulsifiable Concentrate.

DOGS AND CATS:

Application by sponging, dabbing or spraying.
Ticks: Add 20 ml per gallon (5 ml per quart) of warm water, apply over entire body just sufficient to thoroughly wet skin. Be sure solution penetrates to skin. Do not treat animals twice in the same day. If repeated applications are necessary, use only five applications. Allow animals to dry before reapplying additional treatments. For puppies and kittens, use proportionately less solution.

Fleas and Lice: Add 5 ml per gallon warm water. Bathe the animal prior to application of the insecticide to assure a thoroughly wet coat. After removal of the excess water, pour or sponge on the prepared insecticide solution over the entire body. For puppies and kittens, use proportionately less solution. Repeated applications can be made at 48-hour intervals if necessary.

BEEF AND DAIRY CATTLE

Face Fly: Add 1 1/2 fl. oz. (45 ml) to 1 quart of heavy corn syrup and 1/2 pt. of warm water. Mix. Apply about 3 ml of mixture with small brush using a single six-inch stroke, to forehead of the animal. During the first two weeks, make daily application in the morning while animals are in barn. Apply as needed thereafter.

House flies, Horn Flies, Stable Flies and Mosquitoes: Add 7 fl. oz. to 1 gallon of water. Apply 1 or 2 fl. oz. of this water emulsion per animal as a mist spray daily with a hand or automatic sprayer. Spray entire animal but do not wet the skin. Do not apply in excess of 2 fl. oz. per animal per day.

For a baited spray, sugar may be added at a rate of 1 lb. (2 cups) per gallon of the water emulsion.

SHEEP, GOATS AND SWINE

Flies, Mosquitoes and Lice for Swine: Add 7 fl. oz. to 1 gallon of water. Apply 1 or 2 fl. oz. of this water emulsion per animal as a mist spray daily with a hand or automatic sprayer. Spray entire animal but do not wet the skin. Do not apply in excess of 1 fl. oz. per animal per day.

For a baited spray, sugar may be added at a rate of 1 lb. (2 cups) per gallon of the water emulsion.

PREMISES (Animal enclosures, barns, stables, etc.)

To control flies, gnats, mosquitoes, house flies, ants, cockroaches and termites: Add 2.5 fl. oz. to 1 gallon of water. Apply at rate of 1 qt. of this water emulsion per 1000 sq. ft. Use a sprayer or brush. Apply to cracks in ground, cement or wood floors, and apply to paint, oil, rubber or water-base paint. The prepared solution may be used in shallow trays for vaporization of bait to be applied to floors.

To control flies and house flies in stalls and to control fly maggots in manure pits: Add 1/2 lb. of sugar may be added to 1 qt. of the 20% water emulsion if necessary.

Fly Bait: For use as a fly bait in manure, pens, feedlots, garbage dumps, manure pits, etc. Add 1/2 pint (125 ml) to 1/2 lb. granulated sugar in small plastic container and thoroughly spread on surface on floor, ground, or other horizontal surface. Treats 1500 cu. ft. If surface is wet before application, bait will dry to a dry film which will last for weeks, if not removed. Repeat applications, if desired, and sufficient water to the surface to make a slurry of granules for consistency. Do not use on floors where flies are not a problem.

*Trademark

CONTRAINDICATIONS:

VECTO* Emulsifiable Concentrate is a cholinesterase inhibitor. Do not use any drug, insecticide, pesticide or chemical having cholinesterase inhibiting activity either simultaneously or within a few days before or after treatment with VECTO Emulsifiable Concentrate.

DANGER:

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 be prepared from the concentrate that will be used immediately.

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. Use natural rubber gloves while applying.

- Do not reuse container. Destroy when empty.
- Do not contaminate lakes or streams.
- Do not contaminate feed, water or foodstuffs.

DANGER:

VECTO* Emulsifiable Concentrate and its dilutions are poisonous if swallowed, inhaled or absorbed through skin or eyes. Do not get in eyes, on skin or on clothing. Do not breathe fumes. Wear clean rubber gloves when handling the concentrate or its dilutions. Keep all unprotected persons out of operational area. In case of contact, wash immediately with soap and water. Wash hands, arms and face thoroughly with soap and water before eating or smoking. Wash all contaminated clothing with soap and hot water before reuse. When used as fly bait, do not treat portions of building where animals can lick. Do not treat walls, floors or other areas previously treated with lime, whitemash or alkali.

ANTIDOTE AND FIRST AID TREATMENT:

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) or mustard emetic. 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.

Keep patient prone and quiet.

Start artificial respiration immediately if patient is not breathing.

Transport the patient immediately to the nearest physician.

NOTE TO PHYSICIAN:

WARNING SYMPTOMS: Symptoms include weakness, headache, tightness in chest, blurred vision, nonreactive pinpoint 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.

2-PAM (protopam chloride) is also antidotal and may be administered in conjunction with atropine.

Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously until out of danger.

HOW SUPPLIED: Liquid Concentrate - 18.75% in pints.

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