



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 24, 2012

Mr. Steve Rogosheske
Chem-Tech, Ltd.
4515 Fleur Drive, #303
Des Moines, IA 50321

Subject: Amended Reregistration Label
Product Name: Hopkins Vapona Plus Spray Solution
EPA Registration Number: 47000-112
EPA Decision Numbers: 393436, 410161, 411886

Dear Mr. Rogosheske:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the reregistration of the referenced product in connection with the Dichlorvos RED and has concluded that your submission is acceptable.

NOTE: This product is **not** being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

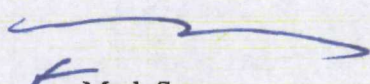
Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated 10/21/2009

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Dana Pilitt, Ph.D. at (703) 305-7071 or via e-mail at pilitt.dana@epa.gov.

Sincerely,



Mark Suarez
Product Manager (13)
Insecticide Branch
Registration Division (7504P)

*Enclosures: Label stamped "Accepted", dated September 24, 2012
Acute Toxicity Review, dated August 31, 2010
Product Chemistry Review, dated September 26, 2011*

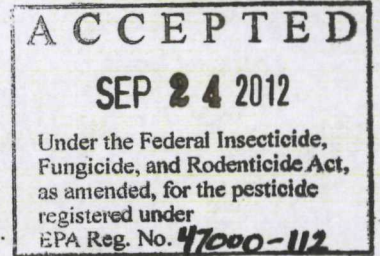
Hopkins Vapona Plus Spray Solution

VAPONA® • PYRETHRINS • SYNERGIZED • READY-TO-USE SOLUTION

Controls flies, gnats, mosquitoes, ticks • For use on cattle and their premises • Fog or spray for the control of insects attacking livestock – Face Flies, Horn Flies, Stable Flies, House Flies, Gnats, Mosquitoes • Insect control in Horse Barns, Dairy Barns, Shelter Sheds, Milk Sheds, Poultry Houses, Outdoor areas such as Farm Premises, Feedlots and Stockyards

ACTIVE INGREDIENTS:

| | |
|---|-----------------|
| Dichlorvos (2,2-dichlorovinyl, dimethyl phosphate)* | 1.00% |
| Piperonyl butoxide * | 0.10% |
| Pyrethrins | 0.01% |
| OTHER INGREDIENTS**: | 98.89% |
| TOTAL | 100.000% |



*Consists of (butylcarbityl) (6-propylpiperonyl) ether and other related compounds.
 **Contains petroleum distillate.

KEEP OUT OF REACH OF CHILDREN
WARNING ADVISO

| FIRST AID | |
|--|---|
| If on skin or clothing: | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice |
| If swallowed: | Immediately call poison control center or doctor. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. |
| If inhaled: | Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice. |
| .If in eyes: | Hold eye open and rinse slowly and gently with water for 15-20 minutes, remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| For emergency information contact the National Pesticide Information Center at 1-800-858-7378. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. | |
| <p>Note to physician: Contains an organophosphate that inhibits cholinesterase. 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 mgs. 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, 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</p> | |

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 0.25gram. Morphine is an improper treatment.

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.

May pose an aspiration pneumonia hazard. Contains petroleum distillate.

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

WARNING

Causes skin irritation. Do not get on skin or on clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants.
- Socks and chemical-resistant footwear.
- Chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber, or viton
- A NIOSH approved respirator with: an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number TX-23C), or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G) or an organic vapor removing cartridge or canister with any N, R, P, or HE prefilter.

User Safety Requirements

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

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing /PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils where shallow water tables are more prone to produce runoff that contains this product. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposing of equipment washwaters or rinsate.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use, pour, 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.

GENERAL PRECAUTIONS AND RESTRICTIONS

Do not apply in areas where animals have received direct application of DDVP within eight (8) hours.

Use in residential sites is prohibited.

Use on lawns, turf or ornamentals is prohibited.

For use as a directed spray; Except when applying to livestock, do not enter or allow others to enter treated area until sprays have dried.

For space spray or fog use; Do not enter or allow others to enter until vapors, mists and aerosols have dispersed, and the area has been thoroughly ventilated.

Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.

Except when applying to livestock, do not apply this product in a way that will contact workers or other persons, either directly or through drift.

Except when applying to livestock, only protected handlers may be in the area during application.

Remove or cover exposed food and drinking water before application. Remove or cover dishes, utensils, food processing equipment, and food preparation surfaces, or wash them before use.

When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application.

Wash teats of animals before milking.

Do not wet articles to point of runoff or drip. Do not use treated article until spray has dried.

Brahman and Brahman cross cattle should not be treated as they may show hypersensitivity to organic phosphates. Do not apply to calves under six months of age.

In California: A 24-hour reentry interval is required following the use of this product in warehouses, farm/animal buildings and other enclosed spaces.

Not for use in outdoor residential misting systems.

APPLICATIONS

Do not make direct application to livestock more frequently than once per day.

LIVESTOCK (For Beef and Dairy Cattle, Goats, Horses, Sheep and Swine):

To control hornflies, houseflies, stable flies, face flies; Apply one (1) to two (2) fluid ounces of this product per animal as a mist spray daily with hand or automatic spray. Use lower rates for smaller animals. Apply spray so as to wet the hair. Cover the animal with spray with particular attention to the back, flanks, legs and shoulders. Do not use in excess of two (2) ounces per adult animal per day. Apply proportionately less to smaller animals. Do not soak the skin or wet the hides.

ANIMAL BUILDINGS (Horse Barns, Dairy Barns, Shelters, Stables, Milk Sheds, Livestock Barns, Loafing Sheds, Pig Pens, Poultry Houses, treat around Doorways, Feed Storage Rooms, Alleyways and Window Sills):

To control Flies, Gnats, Mosquitoes, Roaches, Fleas, Ants, Sowbugs, Brown Dog Ticks, Wasps, Flying Moths and Silverfish: Apply the product as a coarse wet spray at the rate of one (1) pint per 1,000 sq. ft. DO NOT contaminate milk or milking utensils. For control of Fly Maggots in maggot breeding areas, apply at the rate of one (1) to two (2) pints per 100 sq. ft. For Cockroaches and Silverfish, spray in cracks, crevices and other hiding places. For Ants, spray trails and places where ants enter premises. For Brown Dog Ticks and Fleas, spray floor areas, cracks, crevices and sleeping quarters of animals. Crack and crevice treatments should also be at the rate of one (1) pint per 1,000 square feet. Bedding should be allowed to dry thoroughly before use or replaced with fresh bedding. As many insects as possible should be hit with the spray. Do not use this product on dogs. Use an approved product registered for direct application to dogs.

FOR FOGGING INDOORS:

Use one (1) pint of this product per 8,000 cu. Ft. Before applying, reduce air movements as much as possible by closing doors, windows, and other openings. Eliminate potential ignition sources such as pilot lights, open flames, sparks, etc. 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 applications within eight (8) hours. Do not remain in treated areas and ventilate the area after treatment is complete. Remove animals prior to treatment.

Fog for one (1) to five (5) seconds per 1,000 cubic feet, but use no more than one gallon per 64,000 cubic feet. Do not fog into or near an open flame. Occupants should vacate premises before treatment and should not reoccupy the premises until it has been ventilated. Leave treated area closed for at least 15 to 30 minutes and then open windows and doors to ventilate. **IN POULTRY HOUSES** For Fly control: Apply as a coarse wet spray to manure, window sills, outside of penned enclosures and on the floor of feed storage rooms.

FOR OUTDOOR AREAS SUCH AS farm building, (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) and garbage collection and disposal areas. To control Flies, Gnats, Mosquitoes, Roaches, Fleas, Ants, Sowbugs, Brown Dog Ticks, Spiders and Silverfish: Use one (1) pint for 1,000 sq. ft. as a coarse wet spray. Avoid contact with desirable plants as plant injury or loss may occur. Do not contaminate food crops.

FOGGING OUTDOORS: Outdoor fogging with this product should be limited to use by or under the direction of trained personnel. Use in areas around 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). Apply five (5) to ten (10) pints per acre (0.05 to 0.1 pounds actual dichlorvos) as a dense fog when wind is calm. Do not contaminate food crops. Avoid wetting foliage as plant injury may occur. Do not use this solution for fogging areas where animals have received direct application within eight (8) hours.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not use or store near heat or open flame. Keep product upright in original container, tightly closed. High temperatures may shorten shelf life of product.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

NOTICE

It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Chem-Tech, Ltd, the manufacturer or seller. To the extent consistent with applicable law, Chem-Tech, Ltd, the manufacturer or seller shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. Except as warranted by this label,

Chem-Tech, Ltd, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Chem-Tech, Ltd's, the manufacturer's or seller's total liability shall be limited to damages not exceeding the cost of the product.

EPA Reg. No. 47000-112

EPA Est. No. 47000-IA-01

NET CONTENTS: _____

Mfg By
Chem-Tech Ltd
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8/22/12 per EPA letter