

47000-138

8/9/2012

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 9, 2012

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

Subject: Amended Reregistration Label  
Product Name: Vapona 20-E Insecticide  
EPA Registration Number: 47000-138  
EPA Decision Number: 393444

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.

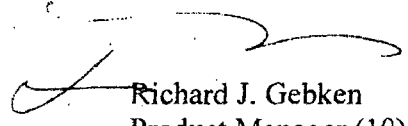
Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated 9/17/2008

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](mailto:pilitt.dana@epa.gov).

Sincerely,



Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

*Enclosures: Label stamped "Accepted", dated August 9, 2012  
Acute Toxicity Review, dated October 27, 2009  
Product Chemistry Review, dated October 3, 2011*

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## VAPONA 20-E INSECTICIDE

**ACCEPTED**  
**AUG - 9 2012**  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act,  
 as amended, for the pesticide  
 registered under  
 EPA Reg. No. **47000-138**

**Restricted Use Pesticide**  
**Due to eye irritation**

**For retail sale to and use only by Certified Applicators or persons under their direct supervision  
 And only for those uses covered by the Certified Applicator's certification**

For use in Livestock Buildings, Horse Stables, Dairy Barns, Auction and Show Barns, Cattle Feed Lots, Stockyards, Holding Pens, Corrals and for use on Beef and Dairy Cattle.

### ACTIVE INGREDIENTS:

Dichlorvos (2,2-dichlorovinyl dimethyl phosphate)..... 23.7%

**\*OTHER INGREDIENTS**..... 76.3%

**TOTAL**..... 100.0%

\*Contains petroleum hydrocarbons

Contains 2 lbs. Vapona Insecticide per gallon

**KEEP OUT OF REACH OF CHILDREN**

**DANGER PELIGRO**

### FIRST AID

**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.

**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 on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**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.

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.

### NOTE TO PHYSICIAN AND ANTIDOTE STATEMENTS

**SYMPTOMS:** Symptoms include weakness, headaches, tightness of chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.

Contains an organophosphate that inhibits cholinesterase. Causes eye damage. Probable mucosal damage may contraindicate the use of gastric lavage.

**ANTIDOTE AND FIRST AID TREATMENT:** Atropine is the emergency antidote for VAPONA insecticide poisoning. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING.

**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. 2-PAM is also antidotal and may be administered in conjunction with Atropine. 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 cholinesterase regeneration has been allowed, as determined by blood test.

Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

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

**DANGER**

Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through the skin. Harmful if inhaled. Do not get in on skin, in eyes, or on clothing. Do not breathe vapor or spray mist.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and aquatic invertebrates. 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 when disposing of equipment washwaters or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame.

**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 or Viton
- Goggles or face shield.
- Chemical-resistant headgear for overhead exposure.
- 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 prefix TC-14G), or an organic vapor removing cartridge or canister with any N, R, P, or HE prefilter.
- Chemical-resistant apron when mixing, loading or cleaning equipment.

**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 outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**DIRECTIONS FOR USE**  
**Restricted Use Pesticide**

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

**GENERAL PRECAUTIONS AND RESTRICTIONS**

When used as a surface spray, do not enter or allow other to enter until sprays have dried.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected workers wearing specified PPE may be in the area during application.

For application by space spray or fogger:

NOTIFICATION: Before the start of the application, post fumigant warning signs at all entrances to the building. The signs must bear the skull and crossbones symbol and state: (1) "DANGER/PELIGRO" (2) "Building under fumigation, DO NOT ENTER/NO ENTRE," (3) the date and time of fumigation, (4) "DDVP (or use brand name) Fumigant in use," and telephone number of the applicator. The signs must be located prominently at each entrance, using a sign size and letter size that makes the sign clearly legible. All signs must be removed after the ventilation is complete and before routine entry by unprotected persons is permitted.

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Entry by any person – other than a correctly trained and equipped handler who is performing a task related to ventilation or air concentration monitoring and who is wearing the personal protective equipment required for handlers – is PROHIBITED in the entire enclosed structure/building from the start of application until ventilation is complete. Ventilation is complete either when 24 hours have elapsed following application and the building has been opened and aired or when a direct-indication short-term concentration monitoring device (e.g. Draeger tube) indicates that the DDVP air concentration is equal to, or less than 0.050 ppm (50% of the OSHA PEL).

**ANIMAL BUILDINGS** Apply this product as a 0.5% spray to control Flies, Gnats, Mosquitoes, Moths, Roaches, Crickets, Fleas, Ants, Sowbugs 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.

Before applying in enclosed areas, 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. Repeat as necessary, but no more than once per day.

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

In **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 a 0.5% solution per 100 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 diesel oil).

Apply as a fog or mist inside building at the rate of 1 quart diluted solution per 8,000 cu. ft. Before applying in enclosed areas, 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 a direct application of dichlorvos or other organophosphates within 8 hours.

Apply at the rate of one quart of a 0.5% solution or 1 pint of a 1% solution per 8000 cubic feet. Do not contaminate water, feed, milk, or milking equipment. Apply with mist blower or other suitable equipment as an overall application at the rate of 5 gallons 0.5% diluted solution (0.2 lbs. actual Vapona) per acre. The mist spray should be directed over the entire area. Particular attention should be given to areas where flies congregate such as fences, spillage areas around feed bunks, and walls of buildings. Avoid application to exposed feed and water.

#### **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 over-all application at the rate of 0.2 pounds 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 building. 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, house flies and mosquitoes.

To prepare a 1.0% spray, dilute 1 pint of this product with 6 gallons of water. Apply 1 to 2 fluid ounces per animal, as a mist 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.

Brahman and Brahman cross cattle should not be treated as they may show hypersensitivity to organophosphates.

Do not treat animals within one day of slaughter.

Do not apply dermally in combination with trichlorfon.

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### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Store containers in a secure area. Storage area should be equipped to handle an accidental spill if necessary.

**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 State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water (or oil) and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available.

### 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. 47000-138**

**EPA Est. No. 47000-IA-01**

NET CONTENTS: \_\_\_\_\_

Mfg. By:  
Chem-Tech, Ltd.  
4515 Fleur Drive  
Des Moines, IA 50321

8/9/12 Draft per EPA letter 6/28/12