

GROUP

1B

INSECTICIDE



GARDEX CHEMICAL LTD.

COMMERCIAL
CONTAINS DICHLORVOS

Vapona Insecticide Industrial Fogging Solution

READ THE LABEL BEFORE USING

GUARANTEE: DICHLORVOS 4.65%

REGISTRATION NO. 11819 PEST CONTROL PRODUCTS ACT

DANGER



POISON

NET CONTENTS: 20 LITRES

Gardex Chemicals Ltd.
7 Meridian Rd.,
Etobicoke, ON
M9W 4Z6
(TEL): 1-800-561-7302

REVISION DATE: June 18, 2008.

DIRECTIONS FOR USE

Gardex Vapona Insecticide Industrial Fogging Solution is a ready to use insecticide used for the control of exposed stages of cigarette beetles, tobacco moths and other insect pests of stored tobacco. This product is also suitable for use in food processing plants, industrial plants, theatres, warehouses and similar enclosed areas for control of flies, mosquitoes, wasps, gnats, fruit flies and other small flying insects as well as exposed stages of rice weevils, confused flour beetles, meal moths, cocoa bean moths and other insects that may be infesting packaged or bagged food commodities. For use in mushroom houses to control sciarid and phorid flies. This product may also be used in outdoor fogging applications for mosquito control. Gardex Vapona Insecticide Fogging Solution is specifically formulated for use in thermal and mechanical fogging apparatus but not for units activated by steam pressure. **DO NOT APPLY WITH HANDHELD FOGGER.**

Resistance-Management Recommendations: For resistance management, please note that Gardex Vapona Insecticide Industrial Fogging Solution contains a Group 1B insecticide. Any of the listed insect/mite populations may contain individuals naturally resistant to Gardex Vapona Insecticide Industrial Fogging Solution and other Group 1B insecticides. The resistant individuals may dominate the insect/mite populations if this group of insecticides is used repeatedly in the same fields. Other resistant mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of Gardex Vapona Insecticide Industrial Fogging Solution or other Group 1B insecticides/acaricides with different groups that control the same pests in a field.
- Use tank mixtures with insecticides/acaricides from a different group when such use is permitted.
- Insecticide/acaricide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Gardex Chemicals Ltd. at 1-800-561-7302.

Note: Gardex Vapona Insecticide Industrial Fogging Solution is to be applied by, or under the directions of trained personnel. Application should be made using applicator devices generating a dry fog. Operator must wear a full-face mask. Operator must be clothed to protect hands, neck and all other skin surfaces.

Outdoor Fogging for Mosquito Control: Apply at the rate of 1.5 to 2.75 litres of Gardex Vapona Insecticide Industrial Fogging Solution per hectare. This product may be diluted with diesel oil to an appropriate concentration to facilitate application in available equipment. For most effective treatment, the fog should remain close to the ground. Fogging should be done in early morning or late evening when air currents are at a minimum and are not rising.

Note: For best results, adjust the application equipment to produce a dry fog. Always test the fog by means of glass or smooth wood to be sure that it is completely dry. “Wet” fogs may damage surrounding vegetation. A wet fog may be used for dumps, or barren areas, but care must be exercised to avoid burn on surrounding foliage.

Indoor Application: Use the higher rates for the more resistant insect.

Preparation of the Treatment Area: Close all doors, windows and ventilators. Lock or barricade all entrances, post warning signs and take whatever other precautions are necessary under the circumstances to prevent unprotected humans or domestic animals from entering treated area.

Fogging Tobacco Warehouses: Apply Gardex Vapona Insecticide Industrial Fogging Solution at a dosage resulting in 3-5 g technical material per 100m³ enclosed space. Use 700 mL - 1.5 L Gardex Vapona Insecticide Industrial Fogging Solution for each 1000m³ of space. Make application as often as necessary to maintain control, usually twice a week.

Fogging Food Processing Plants, Industrial Plants, Theatres and Warehouses:

Apply Gardex Vapona Insecticide Industrial Fogging Solution at a dosage resulting in 2-3.5 g technical material per 100m³ enclosed space. Use 300-700 mL Gardex Vapona Insecticide Industrial Fogging Solution for each 1000m³ of space. Repeat application as often as necessary to maintain control, but not more than once a week.

Fogging Mushroom Houses: Sciariid and Phorid Flies: Close windows, doors and ventilators. Treat at about 22°C. Wear a full-face respirator while applying sprays. Use 200 mL Gardex Vapona Insecticide Industrial Fogging Solution for each 1000m³ of space. Keep fogger nozzle away from mushroom beds. Expose for one hour. Ventilate area with fans before resuming work. Do not allow worker entry into treated areas during the Re-entry Interval of 18 hours. Use during spawn run twice weekly to prevent fly build-up. Then, use as required. Do not harvest within 24 hours of fogging application.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

In food processing plants, only spray when plant is not in operation.

Unprotected food should be removed from treatment area prior to application; food-handling equipment should be covered during application, or washed after application is completed.

Occupants should vacate before treatment and should not reoccupy the premises before it has been ventilated. It is generally desirable to make the application of Gardex Vapona Insecticide Industrial Fogging Solution in the late afternoon in order that the building can be closed all night. The apparatus and operators should remain outdoors and the fog directed into the treated area. All work in the treatment area must be suspended while building remains closed. Workmen may enter building the morning after treatment, ventilate thoroughly before re-entering the treated area.

Warning:

1. Do not contaminate streams, lakes, ponds, irrigation water, water used by livestock or water used for domestic purposes.
2. Do not apply on animals or birds or directly over bodies of water.

3. Avoid exposure to the fog during application. Wear protective clothing during filling and application (See CAUTION statement).

Keep in original container during storage. Handle and apply only as recommended and at recommended rates. Do not contaminate streams, lakes, ponds, irrigation water, water used by livestock or water used for domestic purposes. Do not store with feed or foodstuffs. Keep product away from fire, open flame, lighted electric bulbs and other sources of heat.

This product contains a petroleum distillate, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

POISON - CALL A DOCTOR IN CASE OF ACCIDENT

Caution: Vapona Insecticide Industrial Fogging Solution 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 natural rubber or chemical resistant gloves, coveralls and goggles when handling the concentrate to prepare solutions. Destroy used gloves. Wash contaminated clothing before re-use. Wear a mask or respirator of a type effective for Gardex Vapona Insecticide Industrial fogging Solution protection. 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.

FIRST AID:

If swallowed, call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. **If the product has been spilled on the skin or clothing,** take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. **If the product gets into the 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 centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

The product contains Petroleum Distillate.

Warning Symptoms: Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, salivations, sweating, nausea, vomiting, diarrhea and abdominal cramps.

Antidote: Atropine is the emergency antidote for Vapona Insecticide Industrial Fogging Solution poisoning; Atropine is obtainable only on a doctor's prescription. Consult your physician about obtaining an adequate supply of 0.65 mg atropine tablets for emergency

use. **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 sulphate should be injected at 10-minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. Clear chest by postural drainage. 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 time for cholinesterase regeneration has been allowed as determined by blood test.

DISPOSAL: 1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. 3. Make the empty container unsuitable for further use. 4. Dispose of the container in accordance with provincial requirements. 5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offense under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.