

2020-5046
2021-05-20

This label has been updated according to the re-evaluation/special review decision of Dichlorvos RVD2020-08/SRD2020-08. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 2022-08-20 in accordance with the phase out period set out in the re-evaluation/special review decision of Dichlorvos RVD2020-08/SRD2020-08. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.

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GROUP	1B	INSECTICIDE
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GARDEX CHEMICALS LTD.

RESTRICTED

Oil concentrate insecticide for use undiluted in automated ULV applications or diluted for use in automated fogging equipment.

This product is only to be sold to and used by individuals holding an appropriate pesticide applicator certificate or licence recognized by the provincial/territorial pesticide regulatory agency where the pesticide application occurs. Consult local pesticide regulatory authorities about use permits that may be required.

IT IS THE RESPONSIBILITY OF THE CERTIFIED/LICENSED APPLICATOR TO INFORM THE PERSON IN CHARGE OF THE FACILITY OR ESTABLISHMENT, WHERE APPLICATION WILL TAKE PLACE, OF ALL REQUIREMENTS PERTAINING TO HEALTH AND SAFETY OF WORKERS AND OTHER INDIVIDUALS (e.g., personal protective equipment, re-entry conditions, ventilation requirements).

THE CERTIFIED/LICENSED APPLICATOR MUST COMPLETE THE INFORMATION SHEET FOR OCCUPANTS, POST IT AT POINTS OF ENTRY OF THE TREATMENT AREA, AND PROVIDE DIRECTLY TO THE OCCUPANT OR THE PERSON IN CHARGE OF THE FACILITY OR ESTABLISHMENT, WHERE APPLICATION WILL TAKE PLACE.

***Vapona 20 ULV Concentrate**

*TM/MD – Shell Canada Ltd./Ltée

READ THE LABEL BEFORE USING

ACTIVE INGREDIENT: Dichlorvos 20%

REGISTRATION NO. 34132 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

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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 Product Act* to use this product in a way that is inconsistent with the directions on the label.

NATURE OF RESTRICTIONS

This product is only to be sold to and used by individuals holding an appropriate pesticide applicator certificate or licence recognized by the provincial/territorial pesticide regulatory agency where the pesticide application occurs. Consult local pesticide regulatory authorities about use permits which may be required.

FOR USE IN AUTOMATED ULV OR FOGGING SYSTEMS ONLY. DO NOT apply using handheld equipment.

DO NOT apply when people or animals are present.

Do not enter or allow workers or other individuals to enter during the re-entry interval of 4 days. Entry into treated areas **MUST** only occur after the re-entry interval of 4 days has passed and after full ventilation.

Full ventilation is defined as:

- 10 air exchanges are completed; or
- 2 hours of ventilation using fans or other mechanical ventilating systems; or
- 4 hours of ventilation using vents, windows or other passive ventilation.

Due to inhalation risk concerns, entry before 4 days is not permitted, including for non-hand labour tasks or short tasks such as opening a vent.

Under exceptional circumstances, only certified pesticide applicators may enter treated areas before the 4-day re-entry interval has passed for short-term tasks not involving hand labour. The certified applicator must wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear, and either a NIOSH-approved full face supplied-air respirator (SAR) with organic-vapour-filter OR a NIOSH-approved self-contained breathing apparatus (SCBA) with a full facepiece. The respiratory protection must fit properly; any obstruction to a proper fit should be removed (e.g., beard, long sideburns). Time spent in the treated area cannot exceed 1 hour in a 24 hour period up until the end of the 4-day re-entry interval and following full ventilation.

It is the responsibility of the certified/licensed applicator to inform the person in charge of the facility or establishment, where application will take place, of all requirements pertaining to health and safety of workers and other individuals (e.g., personal protective equipment, re-entry conditions, ventilation requirements).

The certified/licensed applicator must complete the Information Sheet for Occupants, post it at points of entry of the treatment area, and provide directly to the occupants or the persons in charge of the facility or establishment, where application will take place.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

Do not contaminate food- handling equipment. Do not get on skin or eyes. Do not breathe fumes. Destroy used gloves. Wash contaminated clothing before reuse. Keep in original container. Do not contaminate irrigation water, water used by livestock or water used for domestic purposes. Keep product away from flame or heat. Do not use in milk rooms or milk processing rooms. Do not use

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in areas where bee-keeping equipment or supplies are stored. Wash after using and before eating, drinking or smoking. In meatpacking and food processing plants, only apply when plant is not in operation. No exposed meat products, ingredients or packaging materials to be left in the room and cover food-handling equipment. Any treated surface that may contact meat food products or other food products should be washed and rinsed thoroughly with potable water after applying and before re-use for food processing.

Wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, and chemical-resistant footwear during mixing and loading. In addition, a respirator with a NIOSH approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH approved canister for pesticides, **MUST** be worn.

Please refer to the **NATURE OF RESTRICTIONS** section above for information regarding re-entry intervals, early re-entry restrictions, required PPE and Information Sheet instructions.

ENVIRONMENTAL PRECAUTIONS:

Toxic to aquatic organisms

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 centre or doctor for treatment advice.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre 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 centre or doctor for treatment advice.

If swallowed, call a poison control centre or a 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.

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

TOXICOLOGICAL INFORMATION:

This product contains Petroleum Distillates – vomiting may cause aspiration pneumonia.

Dichlorvos is a cholinesterase inhibitor. Typical symptoms of overexposure to cholinesterase inhibitors include headache, nausea, dizziness, sweating, salivation, runny nose and eyes. This may progress to muscle twitching, weakness, tremor, incoordination, vomiting, abdominal cramps and diarrhea in more serious poisonings. A life-threatening poisoning is signified by loss of consciousness, incontinence, convulsions and respiratory depression with a secondary cardiovascular component. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate degree of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as Pralidoxime Chloride, may be therapeutic if used early; however, use only in conjunction with atropine. In cases of severe acute poisoning, use antidotes immediately after establishing an open airway and respiration. With oral exposure, the decision of whether to induce vomiting or not should be made by an attending physician.

DIRECTIONS FOR USE:

GARDEX VAPONA 20 ULV CONCENTRATE is an oil concentrate, which must be diluted with

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base oil for use in automated fogging equipment or used undiluted in automated ultra-low volume (ULV) applicators.

- For ½% solution mix (1 part to 39 parts) 25 mL of GARDEX VAPONA 20 ULV CONCENTRATE with one litre base oil.
- For 1% solution mix (1 part to 19 parts) 50 mL of GARDEX VAPONA 20 ULV CONCENTRATE with one litre base oil.
- For 5% fogging solution mix 1 part GARDEX VAPONA 20 ULV CONCENTRATE with 3 parts base oil.

Treatment must only be repeated if the pest problem persists or reoccurs and only 7 days following the previous application.

FOR USE IN AUTOMATED ULV OR FOGGING SYSTEMS ONLY. DO NOT apply using handheld equipment. **DO NOT** apply when people or animals are present. The apparatus and operators should remain outdoors and the fog directed into the treated area. **DO NOT** contaminate food/feed. Cover or remove all food/feed. Cover all food/feed processing surfaces, equipment and utensils or thoroughly wash following treatment.

Preparation of the Treatment Area: Turn off pilot lights, close all doors, windows and ventilators, lock or barricade all entrances and post warning signs. All ventilation to or from the room or building being treated must be shut off and covered. The area being treated must be as airtight as possible to prevent airflow exchange between treated and untreated areas. Lock or barricade all entrances, post warning signs and take whatever other precautions are necessary under the circumstances to prevent unprotected people or animals from entering treated area during treatment, during the 4-day re-entry interval and prior to full ventilation.

DO NOT apply when the plant/warehouse is in operation.

FOOD PROCESSING PLANTS, INDUSTRIAL PLANTS, THEATRES AND

WAREHOUSES: For control of exposed stages of confused flour beetle, almond moth, fruit flies, flour beetle, gnats, rice weevil, and wasps.

1. Automated ULV applicator: apply 60-150 mL of GARDEX VAPONA 20 ULV CONCENTRATE per 1000 m³.
2. Automatic fogging system: apply 300-700 mL of 5% fogging solution per 1000m³.

TOBACCO WAREHOUSES: For control of cigarette beetle and tobacco moth.

1. Automated ULV applicator: apply 150-300 mL of GARDEX VAPONA 20 ULV CONCENTRATE to each 1000m³ of space.
2. Automatic fogging system: apply 700 mL – 1.4 L of 5% fogging solution to each 1000m³ of space.

RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that GARDEX VAPONA 20 ULV CONCENTRATE contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to GARDEX VAPONA 20 ULV CONCENTRATE and other Group 1B insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same locations. Other resistance 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 20 ULV CONCENTRATE or other

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Group 1B insecticides with different groups that control the same pests.

- Avoid application of more than the indicated number of GARDEX VAPONA 20 ULV CONCENTRATE or other insecticides in the same group in a season.
- Insecticide 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 and to report suspected resistance, contact Gardex Chemicals Ltd., 1-800-561-7302.

STORAGE:

Store this product away from food or feed.

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.

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Required Information Sheet for Areas Treated with Vapona 20 ULV Concentrate (Reg. No. 34132).

Information Sheet To Be Provided by the Applicator to Person-In-Charge of the Building Where Treatment with Vapona 20 ULV Concentrate Occurs.

The Person-In-Charge is responsible for informing all workers of the contents of this Information Sheet.

To be posted at points of entry of the treatment area AND given to the Person-In-Charge.

This area has been treated with **Vapona 20 ULV Concentrate** (Reg. No. 34132), containing the active ingredient dichlorvos.

DATE APPLIED:

TIME APPLIED:

- Workers, bystanders and animals must not be present during application.
- Do not enter the treated area until at least 4 days after the product has been applied AND following full ventilation of the treated area. Ventilation is defined as:
 - 10 air exchanges are completed; or
 - 2 hours of ventilation using fans or other mechanical ventilating systems; or
 - 4 hours of ventilation using vents, windows or other passive ventilation.
- Due to inhalation risk concerns, entry before 4 days is not permitted, including for non-hand labour tasks or short tasks such as turning on a light switch.
- Under exceptional circumstances, only certified pesticide applicators may enter treated areas before the 4-day re-entry interval has passed for short-term tasks not involving hand labour. The certified applicator must wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear, and either a NIOSH-approved full face supplied-air respirator (SAR) with organic-vapour-filter OR a NIOSH-approved self-contained breathing apparatus (SCBA) with a full facepiece. The respiratory protection must fit properly; any obstruction to a proper fit should be removed (e.g., beard, long sideburns). Time spent in the treated area cannot exceed 1 hour in a 24 hour period up until the end of the 4-day re-entry interval and following full ventilation.

Typical symptoms of overexposure to cholinesterase inhibitors, such as dichlorvos, include:

- headache
- nausea
- dizziness
- sweating
- salivation
- runny nose and eyes

In more serious poisonings, this may progress to:

- muscle twitching
- weakness
- tremor
- incoordination

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- vomiting
- abdominal cramps and diarrhea

A life-threatening poisoning is signified by:

- loss of consciousness
- incontinence
- convulsions
- respiratory depression with a secondary cardiovascular component.

If you experience effects, leave the area and ventilate further. For medical information, call 1 800 561-7302. If you experience effects that do not resolve rapidly or become worrisome, contact your health care professional.

For information pertaining to this application, contact the following pest control company which applied the product:

[Insert pest control company name and contact details]

For more information, contact:

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