

2023-1519
2024-01-25

This label has been updated according to the re-evaluation decision of Pyrethrins RVD2023-06 and Piperonyl Butoxide RVD2023-07. While users are encouraged to follow this updated label immediately, the previously approved label is valid until “02/03/2025” in accordance with the phase out period set out in RVD2023-06 and RVD2023-07. 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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GARDEX CHEMICALS LTD.

GARDEX

Pyrethrin Emulsifiable Concentrate 1%

INSECTICIDE

For indoor use at food processing plants, flour and feed mills, bakeries, canneries, packing houses, bottling plants, breweries, restaurants and other food handling establishments to control flies, mosquitoes, wasps, hornets, yellow jackets, Angoumois grain moth, Mediterranean flour moth, Indian meal moth, tobacco moth, chocolate moth, cigarette beetles, cockroaches, earwigs, silverfish, crickets, ants, spiders, clover mites, rice weevils, yellow mealworm, cadelles, confused flour beetles, saw-toothed grain beetles, granary weevils, carpet beetles, psocids, dermestids, cheese mites, flat grain beetles

COMMERCIAL

READ THE LABEL BEFORE USING

ACTIVE INGREDIENTS:

Pyrethrins..... 1.0%
Piperonyl butoxide..... 8.0%

REGISTRATION NO. 11684 PEST CONTROL PRODUCTS ACT

DANGER

<Skull and Crossbones in Octagon>

POISON

NET CONTENTS: 4 LITRES

Gardex Chemicals Ltd.
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(TEL): 1-800-561-7302 or 416-675-1638

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DIRECTIONS FOR USE

FOR INDOOR USE AT THE FOLLOWING STRUCTURES: FOOD PROCESSING PLANTS, FOOD AND FEED MILLS, BAKERIES, CANNERIES, PACKING HOUSES, BOTTLING PLANTS, BREWERIES, RESTAURANTS AND OTHER FOOD HANDLING ESTABLISHMENTS .

Within the specified use location, to enhance effectiveness of this product, apply directly to the listed pests where possible. Good sanitary practices should be maintained to prevent re-infestation.

Use Limitations

- **DO NOT** apply undiluted.
- **DO NOT** apply when people or pets are present.
- **DO NOT** apply when a food/feed processing facility is in operation.
- **DO NOT** apply to surfaces that may come into contact with food/feed. Cover or remove all food/feed. Cover all food/feed processing surfaces, equipment and utensils or thoroughly wash them following treatment. Any food/feed accidentally contaminated with spray solution must be discarded.
- **DO NOT** apply to overhead areas or in confined spaces without appropriate respiratory and eye protection.
- Ventilate treated areas after application either by opening windows and doors or using fans, where required, to aid in the circulation of air. Air exchange/ventilation systems confirmed to be operational may also be used.
- When applied as a space treatment: **DO NOT** remain in treated areas after application. **DO NOT** allow people or pets to enter treated areas until 2 hours after application. The commercial applicator is responsible for informing workers and others of this requirement.
- When applied as a surface treatment: **DO NOT** allow spray to drip or allow drift onto non-target surfaces. Use a coarse droplet size and low pressure spray not exceeding 345 kPa (50 psi) to avoid splashing onto non-target surfaces.
- **DO NOT** allow people or pets to enter treated areas until sprays have dried.

How to Apply

Apply as a space spray, crack and crevice, perimeter, spot, broadcast or furniture (listed storage furniture only) treatment. Space application is a suspension of fine droplets (0.1 to 100 µm) in the air within an indoor space. Crack and crevice is an application directly into narrow openings on the surface of the structure. It does not include the treatment of exposed surfaces. Narrow openings typically occur at expansion joints, utility entry points and along baseboards and mouldings. Perimeter application is less than 0.3 m wide along the edges of a room to baseboards, wall-floor and ceiling-wall joints, and around doorways or windows. Spot application is localized to a surface area not more than 0.2 m². Spots are not to be adjoining and the combined area of spots is not to exceed 10% of the total surface area of a room. Broadcast application is to broad expanses of indoor structural surfaces such as walls, floors, ceilings and indoor foundation walls/crawlspaces. Furniture treatment: *broadcast application* covers large areas of the entire surface of items; *crack and crevice treatments* are applications to junction points on items; and *spot application* is up to 10% of the surface of the item.

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GENERAL DIRECTIONS FOR SPACE APPLICATIONS: Close all windows and doors and shut off ventilating systems and sources of ignition before treatment. When using handheld equipment, begin application at far side of the room and work backwards toward exit. For ventilation and re-entry requirements, see “Use Limitations” (above). **DO NOT** exceed 8 applications per year.

To control flies, mosquitoes, wasps, hornets, yellow jackets, Angoumois grain moth, Mediterranean flour moth, Indian meal moth, tobacco moth, chocolate moth, cigarette beetles: Dilute 1 litre of spray concentrate with 24 litres of water. Apply in a good sprayer adjusted to deliver a fine mist (droplets at least 0.1 µm in diameter) using 200 mL of diluted material to each 100 m³ of space. Direct the fog to all parts of the room, especially upward to ceiling, upper corners of the room, windows and other light sources, and around pallets, stacks of stored products and stored product containers. Vacate the treated area and keep windows and doors closed for 4 to 6 hours before ventilating.

For rapid control of pests listed above: Dilute 1 litre of concentrate with 9 litres of water or oil. Use a ULV sprayer (droplets at least 0.1 µm in diameter) such as the electric Power Jet, steam sprayer or Fontan following manufacturer’s directions. Apply as directed above, using 150-250 mL of diluted material to each 100 m³ of space. Vacate the treated area and keep windows and doors closed for 4 to 6 hours for best control.

GENERAL DIRECTIONS FOR SURFACE APPLICATIONS: For an initial clean up, dilute 1 litre of concentrate with 4 litres of water or oil and apply in a good spray machine adjusted to deliver a coarse droplet spray using 5 litres of diluted material to each 100 m² of surface. Treatment must only be repeated after 30 days, at a dilution of 1-9 and at the same rate of application, if the pest problem persists or reoccurs. **DO NOT** exceed 8 applications per year.

To control cockroaches, earwigs, silverfish, crickets, ants, spiders and clover mites: Thoroughly treat indoor structural surfaces, including cracks and crevices in walls, floors and ceilings; along and behind baseboards; walls behind and floors beneath appliances (e.g., refrigerators and stoves) and furniture (e.g., cabinets and storage units); around sinks, drains and pipes; localized areas around garbage cans; points of entry (e.g., around windows and doors); and other structural elements where listed insects hide. For ants, also spray trails and nests.

To control cockroaches, earwigs, silverfish, crickets, ants, spiders, clover mites, rice weevils, yellow mealworm, cadelles, confused flour beetles, saw-toothed grain beetles, Angoumois grain moth, Mediterranean flour moth, Indian meal moth, cigarette beetles, granary weevils, carpet beetles, psocids, dermestids, cheese mites and flat grain beetles: Good sanitation is necessary for effective treatment of listed stored product pests. Before treatment, remove and dispose of all residues (e.g., deposits and accumulations of food/feed products, waste grain, debris, dust, dirt) and thoroughly vacuum and clean indoor structural surfaces, including walls, floors, ceilings, rafters and door frames; interior and exterior surfaces of conveying, processing and handling equipment; pantries, cabinets, drawers and shelves; and around stored product containers, especially in cracks and crevices (discard vacuum bag after use). Thoroughly spray interior surfaces of empty cabinets and empty shelves, directing the spray

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into cracks and crevices. Treated cabinets and shelves must be dry before replacing stored items. Also thoroughly treat indoor structural surfaces, including walls, floors, ceilings, and other structural elements where listed insects hide, paying particular attention to forcing the spray into all cracks and crevices.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed. Avoid inhaling spray mist.

If entering treated areas prior to venting or before 2 hour re-entry interval after application using a mechanically-pressurized handheld sprayer for mists, aerosols, and fogs (droplet sizes 0.1-100 µm) or stationary fogger, and for application using a mechanically-pressurized handheld sprayer for mists, aerosols, and fogs, wear chemical-resistant coveralls with a chemical-resistant hood over long-sleeved shirt, long pants, chemical-resistant gloves, socks, chemical-resistant footwear and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides. For mixing and loading, and application using all other application equipment, wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair.

DO NOT handle more than 4 L of undiluted product per person, per day when using a mechanically-pressurized handheld sprayer for mists, aerosols, and fogs (droplet size 0.1-100 µm). These restrictions are in place to minimize exposure to individual applicators. Application may need to be performed over multiple days or using multiple applicators.

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 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 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 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.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically. This product contains petroleum distillates.

RESISTANCE MANAGEMENT

For resistance management, Gardex Pyrethrin Emulsifiable Concentrate 1% contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Gardex Pyrethrin Emulsifiable Concentrate 1% and other Group 3 insecticides. The resistant individuals

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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 Pyrethrin Emulsifiable Concentrate 1% or other Group 3 insecticides with different groups that control the same pests in the location to be treated.
- Use tank mixtures with insecticides from a different group that is effective on the target pest when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting and 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.

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 instructions 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 the 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 cleanup 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.