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This label has been updated according to the re-evaluation decisions 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 03-02-2025 in accordance with the phase out period set out in the re-evaluation/special review decisions of Pyrethrins RVD2023-06 and Piperonyl Butoxide RVD2023-07. This previously approved label will be provided upon request by emailing [hc.pmra.info-arla.sc@canada.ca](mailto: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.**

# **INDUSTRIAL INSECTICIDE 50-7**

Solution

COMMERCIAL

CONTAINS PYRETHRINS

For indoor use at food processing plants, flour and feed mills, bakeries, canneries, packing houses, bottling plants, breweries, restaurants, food warehouses and other food handling establishments to control flies, mosquitoes, cockroaches, silverfish, ants, fleas, rice weevils, yellow mealworm, cadelles, confused flour beetles, saw-toothed grain beetles, Angoumois grain moth, Mediterranean flour moth, Indian meal moth and cigarette beetles.

**READ LABEL BEFORE USING**

### **ACTIVE INGREDIENTS:**

Pyrethrins.....0.13%

Piperonyl Butoxide.....1.27%

**REGISTRATION NO. 6109 PEST CONTROL PRODUCTS ACT**

### **DANGER**

<Skull and Crossbones in Octagon>

**POISON**

**NET CONTENTS 20 LITRES**

### **GARDEX CHEMICALS LTD.**

7 Meridian Rd., Etobicoke, ON M9W 4Z6

**(TEL): 416-675-1638 OR 1-800-561-7302**

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## **DIRECTIONS FOR USE:**

Gardex Industrial Insecticide 50-7 is for use in food processing plants, flour and feed mills, bakeries, canneries, packing houses, bottling plants breweries, restaurants, food warehouses and other food handling establishments.

Within the specified use location, to enhance effectiveness of this product, apply directly to the listed pests where possible. For all labelled uses, treatment must only be repeated after 30 days if pest problem persists or reoccurs. Good sanitary practices should be maintained to prevent re-infestation.

### **Use Limitations**

- **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 or broadcast 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 m<sup>2</sup>. 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/crawlspace.

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### **SPACE APPLICATION:**

**To kill flies and mosquitoes:** Close all windows and doors and shut off ventilating systems and sources of ignition before treatment. Apply at the rate of 188-314 mL per 100 m<sup>3</sup> with ULV equipment (droplets 0.1 to 50 µm in diameter). Direct the fog upward to all parts of the room, especially ceiling, upper corners of the room, windows and other light sources. When using handheld equipment, begin application at far side of the room and work backwards toward exit. Vacate the treated area and keep windows and doors closed for 2 hours before ventilating. For ventilation and re-entry requirements, see “Use Limitations” (above). **DO NOT** exceed 8 applications per year.

### **SURFACE APPLICATION:**

**To kill flies and mosquitoes:** Apply at the rate of 5 litres per 100 m<sup>2</sup> with ULV equipment or equipment capable of dispensing a coarse spray. Thoroughly treat indoor surfaces, of walls, ceilings, and foundations; around light fixtures; and points of entry (e.g., around windows and doors). As soon as treated surfaces are dry, repeat treatment. **DO NOT** exceed 8 applications (one application includes two repeat treatments of 5 litres per 100 m<sup>2</sup>) per year.

**To kill cockroaches, silverfish, ants and fleas: DO NOT** apply to furniture, mattresses, linens, pet bedding, toys or clothing. Apply at the rate of 5 litres per 100 m<sup>2</sup> with equipment capable of dispensing a coarse spray. 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; and other structural elements where listed insects hide. For ants, also spray trails, nests and points of entry (e.g., around windows and doors). As soon as treated surfaces are dry, repeat treatment. **DO NOT** exceed 12 applications (one application includes two repeat treatments of 5 litres per 100 m<sup>2</sup>) per year.

**DO NOT SPRAY PETS WITH THIS PRODUCT.** Only treat pets with products specifically registered for use on that type of pet. For effective flea control indoors, clean any area used by the pet. Cleaning the areas includes vacuuming floors, carpets, furniture, etc. (discard vacuum bag after use) and washing the pet’s bedding, living quarters, and surrounding area.

**To kill rice weevils, yellow mealworm, cadelles, confused flour beetles, saw-toothed grain beetles, Angoumois grain moth, Mediterranean flour moth, Indian meal moth, cigarette 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). Apply at the rate of 5 litres per 100 m<sup>2</sup> with ULV equipment or equipment capable of dispensing a coarse spray. 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. As soon as treated surfaces are dry, repeat treatment. In cases where the rate of 5 litres per 100 m<sup>2</sup> causes excessive run-off (such as glazed

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surfaces), apply at the rate of 2.5 litres per 100 m<sup>2</sup> of surface. **DO NOT** exceed 12 applications (one application includes two repeat treatments of either 2.5 or 5 litres per 100 m<sup>2</sup>) per year.

**PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. AVOID SKIN CONTACT.**  
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 26.7 L of 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:** 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.

### **RESISTANCE MANAGEMENT**

For resistance management, Gardex Industrial Insecticide 50-7 contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Gardex Industrial Insecticide 50-7 and other Group 3 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

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enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed. To delay insecticide resistance:

- Where possible, rotate the use of Gardex Industrial Insecticide 50-7 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.