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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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## Klenze 5 Insecticide

### Solution

A ready to use concentrated insecticide for use indoors to control the following insect pests infesting, feed and flour mills, tobacco warehouses, food processing plants, transportation vehicles and other industrial premises: ants, cockroaches, silverfish, spiders, crickets, red flower beetles, confused flower beetles, saw toothed grain beetles, cigarette beetles, flat grain beetles, flies, mosquitoes, biting midges and wasps

COMMERCIAL

KEEP OUT OF REACH OF CHILDREN

READ LABEL BEFORE USING

REGISTRATION NUMBER 34029 PEST CONTROL PRODUCTS ACT

#### ACTIVE INGREDIENTS:

Pyrethrins ... 0.5%  
Piperonyl Butoxide ... 2.0%

NET CONTENTS: 0.5 to 200 L

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## DIRECTIONS FOR USE

SHAKE WELL BEFORE USING. This product may be applied with the attached trigger sprayer or any commercial sprayer.

## HOW TO PRIME AND CARE FOR YOUR TRIGGER SPRAYER

1. After shaking product well, remove cap from container and replace with sprayer hose and cap assembly. Tighten securely.
2. Turn sprayer nozzle one-half turn counter-clockwise. Hold sprayer below the level of container and prime by pumping trigger 10-15 times until product is dispensed. Adjust nozzle to fine spray or jet stream as required.
3. After each use, thoroughly flush sprayer and hose with water. Return hose and cap assembly to container, tighten securely. Turn nozzle to "OFF" position and store above level of liquid in container to prevent leakage.

NOTE: If sprayer does not function properly, remove nozzle cover and check nozzle hole and holes in rubber component for obstructions. Check to make sure nozzle is not in "OFF" position. Replace nozzle cover, return sprayer assembly to container and proceed.

## FOR INDOOR USE IN TRANSPORTATION VEHICLES, FEED AND FLOUR MILLS, TOBACCO WAREHOUSES, FOOD PROCESSING PLANTS AND OTHER INDUSTRIAL PREMISES

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 7 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 livestock 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 spray: DO NOT remain in treated areas after application. DO NOT allow people, pets or livestock 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

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avoid splashing onto non-target surfaces. DO NOT allow people or pets to enter treated areas until sprays have dried.

#### HOW TO APPLY

DO NOT APPLY AS A PERIMETER OR BROADCAST TREATMENT. Apply as a space spray, crack and crevice or spot treatment only.

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.

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.

#### SPACE APPLICATION:

For control of flies, mosquitoes, biting midges and wasps.

GENERAL DIRECTIONS FOR SPACE APPLICATIONS: Before using as a space spray in structures with livestock, remove all livestock from area to be treated. Close all windows and doors and shut off all ventilating systems and sources of ignition before treatment. Direct the spray or 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. After treatment, vacate the treated area and keep windows and doors closed for 15 minutes before ventilating. For ventilation and re-entry requirements, see "Use Limitations" (above). The commercial applicator is responsible for notifying workers, the homeowner, and others of the re-entry period requirement.

SPACE SPRAY: Apply at the rate of 40-80 mL per 100 cubic meters with a machine that produces an aerosol mist. Spray only when temperature is below 32°C.

FOGGING: Apply at the rate of 200 mL per 100 cubic meters. When using a thermal fog generator, the equipment must be operated and maintained in the manner prescribed on the instruction plate affixed to it and in accordance with the manufacturer's instruction manual and recommendations.

#### SURFACE APPLICATION:

For control of ants, cockroaches, silverfish, spiders and crickets, use at the rate of 1-2 litres per 100 m<sup>2</sup>. Thoroughly treat indoor structural surfaces, including cracks and crevices in walls, floors and ceilings; along and behind baseboards and mouldings; 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; undersides of tabletops and shelving; and other structural elements where listed insects hide. For ants, also spray trails, nests and points of entry (e.g., around windows and doors).

For control of red flower beetles, confused flower beetles, saw toothed grain beetles, cigarette beetles, 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

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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. Use product at the rate of 1.25-2.5 litres per 100 m<sup>2</sup> and thoroughly treat indoor structural surfaces, including walls, floors, ceilings and beams; around pipes; localized areas underneath pallets; 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.** Avoid skin contact. Avoid inhaling spray mist. Avoid contact with skin, eyes, and clothing. Wash after use. Do NOT remain in treated areas. Ensure proper ventilation after sealed areas have been treated. Do not use on or near food. Do not contaminate any body of water. Product toxic to fish. Do not spray or fog in presence of open flame (including pilot lights) or spark, or while smoking. Turn off electric heating elements. For application using mechanically-pressurized handheld sprayer for mists, aerosols, and fogs (droplet sizes 0.1–100 µm), 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.

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 16.4 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 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 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.

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

#### TOXICOLOGICAL INFORMATION

Skin exposure may cause transient sensations (tingling, burning, itching, numbness). Other symptoms of exposure could include respiratory effects (such as cough, respiratory irritation, or shortness of breath), nausea, headache or dizziness. This product contains a petroleum distillate. **DO NOT INDUCE VOMITING.** Vomiting may cause aspiration pneumonia. Treat symptomatically.

#### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Klenze 5 Insecticide contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to this product 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 enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed. To delay insecticide resistance:

- Where possible, rotate the use of Klenze 5 Insecticide 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 Eco-Cop Inc. at 780 433 0274.

#### STORAGE

Store this product away from food or feed.

#### DISPOSAL AND DECONTAMINATION:

Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. 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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**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

**OPTIONAL MARKETING STATEMENTS**

Contains a botanical insecticide derived from the Chrysanthemum flower