

[Container]

GROUP	<b>3</b>	INSECTICIDE
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# Annihilator™ PolyZone™

INSECTICIDE

**Broad-spectrum insecticide for structural applications.**

Suspension  
AGRICULTURAL

ACTIVE INGREDIENT:  
DELTAMETHRIN.... 50 g/L

CONTAINS 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AT 0.0009% AND 2-METHYL-4-ISOTHIAZOLIN-3-ONE AT 0.0003% AS PRESERVATIVES.

**REGISTRATION NO: 33526 PEST CONTROL PRODUCTS ACT**

**READ THE LABEL AND BOOKLET BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION SKIN IRRITANT**

2022 Environmental Science CA Inc.  
137 Glasgow Street, Suite 210, Unit 111,  
Kitchener, Ontario,  
N2G 4X8

Product Information: 1-800-331-2867

<https://www.ca.envu.com>

In case of spills, poisoning or fire, telephone emergency response number  
1-800-424-9300 (24 hours a day).

NET CONTENTS: 300 mL – Bulk

## GENERAL INFORMATION

### 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.

### PRECAUTIONS

#### KEEP OUT OF REACH OF CHILDREN

May irritate skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. 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 through use of air exchange/ventilation systems confirmed to be operational. Use fans where required to aid in the circulation of air.

DO NOT apply when people, pets or livestock are present.

DO NOT allow people, pets or livestock to enter treated areas until sprays have dried.

DO NOT allow spray to drip or allow drift onto non-target surfaces; any spray residue must be removed by the applicator.

### ENVIRONMENTAL PRECAUTIONS

TOXIC TO AQUATIC ORGANISMS. Use with care when applying in areas adjacent to any body of water and do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

TOXIC TO BEES AND CERTAIN BENEFICIAL INSECTS. Bees can be exposed to direct treatment, drift, or residues. Do not apply or allow it to drift where bees are actively foraging.

### PHYSICAL & CHEMICAL HAZARDS

Do not use water-based sprays of Annihilator™ PolyZone™ in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

### FIRST AID:

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

If swallowed	<ul style="list-style-type: none"><li>• Call a poison control centre or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow. Do not induce vomiting</li></ul>
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	<p>unless told to do so by a poison control centre or doctor.</p> <ul style="list-style-type: none"><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.</li><li>• Call a poison control centre or doctor for treatment advice.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control centre or doctor for treatment advice.</li></ul>
If inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control centre or doctor for further treatment advice.</li></ul>
<b>HOTLINE NUMBER</b>	
For emergency medical treatment call 1-800-424-9300. For customer service or to obtain product information, including the MSDS, call 1-800-331-2867.	

**TOXICOLOGICAL INFORMATION:**

Skin exposure may cause transient sensations (tingling, burning, itching, numbness). Treat symptomatically.

**STORAGE:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. To prevent contamination 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.

**ACCIDENTAL SPILLS**

Handle and open container in a manner as to avoid spillage. You may contact the 24-hour Emergency Phone number for decontamination procedures or any other assistance that may be necessary. The 24-hour Emergency Phone number is 1-800-424-9300.

® TM see <https://www.ca.envu.com/tm-mc>

[Booklet]

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## GENERAL INFORMATION

### Section 1 - Notices

#### 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.

## SAFETY AND HANDLING

### Section 2 - PRECAUTIONS

#### KEEP OUT OF REACH OF CHILDREN

May irritate skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. 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 through use of air exchange/ventilation systems confirmed to be operational. Use fans where required to aid in the circulation of air.

DO NOT apply when people, pets or livestock are present.

DO NOT allow people, pets or livestock to enter treated areas until sprays have dried.

DO NOT allow spray to drip or allow drift onto non-target surfaces; any spray residue must be removed by the applicator.

#### ENVIRONMENTAL PRECAUTIONS

**TOXIC TO AQUATIC ORGANISMS.** Use with care when applying in areas adjacent to any body of water and do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

**TOXIC TO BEES AND CERTAIN BENEFICIAL INSECTS.** Bees can be exposed to direct treatment, drift, or residues. Do not apply or allow it to drift where bees are actively foraging.

#### PHYSICAL & CHEMICAL HAZARDS

Do not use water-based sprays of Annihilator™ PolyZone™ in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

### Section 3 - The Product and General Application Information

	<ul style="list-style-type: none"> <li>• <b>For use only in and on the following agricultural buildings and structures: dairy barns, poultry houses, swine barns, sheep barns, stables, pet kennels and storage sheds.</b></li> <li>• Measuring feature included in the bottle</li> </ul>
Annihilator PolyZone	<p>This product is a suspension concentrate formulation containing 50 g of deltamethrin per litre.</p> <p>This product is designed for use both indoors and outdoors and will provide effective knockdown of the insect pests listed on this label. To kill major nuisance pests listed on the label.</p> <p>Users should test (treat) a small, inconspicuous area first to ensure there are no adverse effects such as staining or discolouration.</p>
Controls	<ul style="list-style-type: none"> <li>• Indoor Pests</li> <li>• Outdoor Pests</li> </ul> <p><i>For list of specific insects, see DIRECTIONS FOR USE</i></p>
Where to Apply	<ul style="list-style-type: none"> <li>• Apply where pests have been seen or found, or can find shelter.</li> <li>• In and on buildings and structures.</li> </ul>
Dilution Rates	<ol style="list-style-type: none"> <li>1. For severe pest infestations, dilute 6 mL of product in 1 Litre of water (concentration: 0.03% deltamethrin).</li> <li>2. For initial service or clean out treatments, dilute 6 mL of product in 1 Litre of water (0.03% deltamethrin).</li> <li>3. For maintenance treatments, dilute 2 mL of product in 1 Litre of water (0.01% deltamethrin).</li> </ol>
Mixing Information	<p>This product is intended to be mixed with water and applied with hand pressurized or power operated sprayers.</p> <p>Shake this product well before measuring concentrate for dilution in water.</p> <p>Mix the appropriate amount of this product with water.</p> <p>Thoroughly shake, agitate or invert sprayer to ensure proper suspension. If spraying is interrupted when using a back-pack or hand-held sprayer, invert sprayer to re-suspend the dilution before starting to make applications.</p> <p>If spray screens are used, they should be 50 mesh or larger.</p>
How to Apply	<p>Indoor Use – spot treatments, crack and crevice sprays.</p> <p>Outdoor Use – general surface applications, spot treatments, crack and crevices sprays for the external surface of structures listed on the label. See Section 6 for additional information.</p>
Re-Apply	Treatments may be applied as necessary to maintain adequate control.
Re-Entry	DO NOT allow people, pets or livestock to enter treated areas until sprays have dried.
Questions	For questions or comments, call toll free 1-800-331-2867

Section 4 - First Aid and Toxicological Information

FIRST AID:

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

If swallowed	<ul style="list-style-type: none"><li>• Call a poison control centre or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.</li><li>• Call a poison control centre or doctor for treatment advice.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control centre or doctor for treatment advice.</li></ul>
If inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control centre or doctor for further treatment advice.</li></ul>
HOTLINE NUMBER	
For emergency medical treatment call 1-800-424-9300. For customer service or to obtain product information, including the MSDS, call 1-800-331-2867.	

TOXICOLOGICAL INFORMATION:

Skin exposure may cause transient sensations (tingling, burning, itching, numbness). Treat symptomatically.

Section 5 - Storage and disposal

STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. To prevent contamination 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.



- 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.

#### ACCIDENTAL SPILLS

Handle and open container in a manner as to avoid spillage. You may contact the 24-hour Emergency Phone number for decontamination procedures or any other assistance that may be necessary. The 2022 Environmental Science CA 24-hour Emergency Phone number is 1-800-424-9300.

### DIRECTIONS FOR USE

Section 6 – Pests, rates and application methods
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As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

<b>INDOOR PESTS</b>	
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Indoor applications to buildings and structures may only be made as a spot treatment or crack and crevice application.	
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| <ul style="list-style-type: none"> <li>Flies (House flies, Blue bottle flies, Flesh flies, Cluster flies, Stable flies)</li> <li>Mosquitoes</li> <li>Darkling beetles (Lesser mealworms)</li> <li>Ticks</li> </ul> |  |
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Where to Apply	For use ONLY in the following agricultural buildings and structures: such as dairy barns, poultry houses, swine barns, stables, dog kennels and storage sheds. Treat where pests have been seen or found, or can find shelter.
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Use Rate	0.01% - 2 mL/L 0.03% - 6 mL/L Use Rate 0.8 – 2.5 mL concentrate per 10 square metres 410 mL diluted product per 10 square metres.
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How to Apply (see Application for Indoor Pests)	<p><u>Spot Applications</u></p> <ul style="list-style-type: none"> <li>Spot application is localized to a surface area not more than 0.2 m<sup>2</sup>. Spots are not to be adjoining. The combined area of spots is not to exceed 10% of the total surface area of a room.</li> <li>Use a coarse, low pressure system (do not exceed 345 kPa (50 psi) at nozzle tip) with a fan-type nozzle to uniformly apply spot treatments.</li> </ul> <p><u>Crack and Crevice:</u> Crack and crevice is an application directly into narrow openings on the</p>
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	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. Spray directly into cracks and crevices where pests or their nests are present. Apply the volume of spray sufficient to cover the area.
When to Apply	When pests are seen or found. Treatments may be applied as necessary to maintain adequate control.
Restrictions	DO NOT apply in feed mixing areas or on feed or to watering equipment. DO NOT apply to surfaces that may come into contact with feed. Cover or remove all feed. Cover all feed processing surfaces, equipment and utensils or thoroughly wash following treatment DO NOT apply as a space spray, broadcast or indoor perimeter treatment. DO NOT treat pets.
<b>APPLICATION FOR INDOOR PESTS</b>	
Darkling beetles (lesser mealworms)	To kill Darkling beetles (lesser mealworms) in poultry houses, apply after clean-out and before fresh litter is put down. Apply as a spot and/or crack and crevice treatment to areas where these pests normally inhabit. The area around any cracks or openings in the ceiling or walls should be sprayed in addition to the base of walls around plumbing and other utility installations. Do not add fresh litter until at least one day after spraying.
Stable flies, Mosquitoes, , House flies, Blue bottle flies, Flesh flies and Cluster flies	Apply directly to walls, ceilings, window screens and other resting areas.
Pet Kennels	To kill ticks and flies, and mosquitoes in and around these structures, apply as a spot and/or crack and crevice spray to the structure where pests have been found or can seek shelter. Optimal control results if facilities to be treated are clean
Non-Feed or Feed Storage Areas	Examples areas include garbage rooms, entries, machine rooms and feed storage (after packaging, canning or bottling). In such non-food/non-feed or feed storage areas, this product may only be applied as spot treatments or crack & crevice sprays where labelled insects inhabit or may enter the facility.

<b>OUTDOOR PESTS</b>	
Use this product to control outdoor pests by application as a broadcast, spot spray or crack and crevice treatment to exterior surfaces of buildings.	
<ul style="list-style-type: none"> <li>• Flies (House flies, Blue bottle flies, Flesh flies, Cluster flies, Stable flies)</li> <li>• Mosquitoes</li> <li>• Darkling beetles (Lesser mealworms)</li> <li>• Ticks</li> </ul>	

Where to Apply	Apply to surfaces on building exteriors, around door and windows, eaves and attic vents, utility entry points, soffit areas and other exterior openings where pests enter the structure or where they have been seen or found, or can find shelter.
Application Restrictions	DO NOT apply to the point of run-off. DO NOT make applications during rain. Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.
Use Rate	0.01% - 2 mL/L 0.03% - 6 mL/L 0.8-2.5 mL of concentrate per 10 square metres 410 mL of diluted product per 10 square metres
How to Apply (see Application for Outdoor Pests)	Apply as a coarse low pressure (DO NOT exceed 345 kPa (50 psi) at nozzle tip) spray. Apply in a sufficient volume of water to provide adequate coverage but do not allow run-off to occur.
When to Apply	When pests are seen or found. Treatments may be applied as necessary to maintain adequate control.
<b>APPLICATION FOR OUTDOOR PESTS</b>	
Darkling beetles (Lesser mealworms)	Apply as a spray to the exterior surface of poultry houses where darkling beetles may seek entry.
Pet Kennels	Apply as a coarse wet spray to the exterior surface of dog kennels where ticks have been found or may seek shelter.
Stable flies, Mosquitoes, , House flies, Blue bottle flies, Flesh flies, and Cluster flies	Apply low pressure (do not exceed 345 kPa (50 psi) at nozzle tip) spray to outside of surfaces of buildings and other areas where house flies rest. Spray siding, eaves, around windows and doors, and window screens. To help reduce infestations, treat cracks and crevices and other indoor winter hiding places. Cluster flies: Treat in late summer or fall, just before cluster flies begin looking for winter shelter.

## Section 7 - Resistance Management Recommendations

For resistance management, please note that Annihilator PolyZone contains a Group 3 insecticide. Any insect population may contain individuals naturally resistant to Annihilator PolyZone and other Group 3 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same location. Other resistance mechanisms that are not linked to site of action, but 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 Annihilator PolyZone or other Group 3 insecticides with different groups that control the same pests.
- Insecticide use should be based on an Integrated Pest Management (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 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  
2022 Environmental Science CA at 1-800-331-2867 or at <https://www.ca.envu.com>

® TM see <https://www.ca.envu.com/tm-mc>

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