



SAFETY DATA SHEET

Eco-Guard Bedbug & Flea Killer

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SECTION 1: IDENTIFICATION

Product Name: Eco-Guard Bedbug and Flea Killer

Supplier: UR-CAN INC.
3325 North Service Road
Burlington, ON
L7N 3G2

Product use: Insecticide
PMRA Registration Number: 30963
Restriction on use: None known
Additional Product Information: 905-484-0688

In the event of an emergency involving Dangerous Goods, call CANUTEC at 1-888-CAN-UTEC (226-8832) 613-996-6666 or 666 on a cell phone

SECTION 2: HAZARDS IDENTIFICATION

NOTE: This product is registered under the *Pest Control Product Act* and is exempt from the requirements of WHMIS

Hazard Statements: Pressurized container: may burst if heated
Signal Word: No Signal Word required
Precautionary Statements: **Prevention**
Keep out of reach of children
Read label before using
Wash thoroughly after handling
Response
No response statements
Storage
Do not place in hot water, near radiator, stoves or other sources of heat
Disposal
Release pressure. Do not puncture or incinerate. Discard in household garbage
Physical Hazards Not Otherwise Classified: None known
Health Hazards Not Otherwise Classified: None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	% (w/w)
Permethrin	52645-53-1	0.25
1,2 benzisothiazolin-3-one	2634-33-5	0.0193

Common Name: None
Synonyms: None

SECTION 4: FIRST-AID MEASURES

Inhalation: If inhaled move person to fresh air. Call a Poison Control Center or Doctor for further advice. If person is not breathing call 911 or an ambulance, then give artificial respiration
Skin contact: If on skin remove contaminated clothing immediately. Flush skin with running water for a minimum of 20 minutes. If irritation persists obtain medical attention
Eye contact: If in eyes rinse slowly and gently with water for 15-20 minutes, remove contact lens, if present, after first 5 minutes, then continue rinsing. Hold eyelids open during flushing. If irritation persists obtain medical attention
Ingestion: If swallowed call a Poison Control Center or Doctor for further advice. Do not induce vomiting unless told to do so by a Poison Control Center or Doctor. Have person sip a glass of water if able to do so. Do not give anything to an unconscious person.

Most Important Symptoms and Effects, Acute and Delayed:

- If inhaled:** May cause slight respiratory tract irritation
- If on skin:** May cause mild skin irritation
- If in eyes:** May cause eye irritation
- If swallowed:** May cause mouth, throat and gastrointestinal irritation.

Indication of any immediate medical attention and special treatment needed:

Product contains a pyrethroid. If ingested, oral administration of large amounts of activated charcoal is recommended
If medical advice is required, have product container or label at hand

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: For large fires, apply aqueous film forming foam or water in the form of a fog. For small fires, use carbon dioxide or dry chemical

Unsuitable Extinguishing Media: None known

Specific Hazards arising from the substance or mixture: Contain fire-fighting water for disposal if contaminated with product. Pressurized container may burst if heated, cool with water spray

Special Protective Equipment and Precautions for Fire-fighters: Wear self-contained breathing apparatus and impervious clothing. Minimize the amount of water used and contain the run-off from entering water supplies or the environment by dyking

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear personal protective equipment as described in Section 8

Environmental Precautions: Do not allow product to enter sewers, ground water or any water course. Inform applicable government authority if release is reportable or could adversely affect the environment

Methods and Materials for Containment and Cleaning Up: Wash hard surfaces with heavy duty detergent. Absorb spilled material and wash water with suitable liquid binding material and place in suitable containers for disposal. Dispose of contaminated material as waste according to Section 13

SECTION 7: HANDLING AND STORAGE

Precaution for Safe Handling: Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Wash thoroughly after use. If clothing becomes contaminated, wash thoroughly before re-use

Conditions for Safe Storage: Container is under pressure, store in a cool, well-ventilated area away from heat, sparks and flame. Keep out of reach of children and pets

Storage Temperature: Do not allow product to freeze

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with Workplace Control Parameters:

Ingredients	CAS Number	Value/Form of Exposure	Permissible Concentration
No exposure levels available			No data

Appropriate Engineering Controls: Provide local exhaust and/or adequate ventilation

Individual Protection Measures:

- Eye protection:** Use chemical safety goggles when there is a potential for eye contact
- Skin protection:** Chemical-resistant gloves and protective clothing that is impervious under conditions of use
- Respiratory protection:** Use NIOSH/MSHA approved respirator

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Milky white liquid
- Odour:** Lemon odour
- Odour Threshold:** Not determined
- pH:** 6.0 to 7.0
- Melting point/Freezing Point:** > 0 °C

Initial Boiling Point/Range:	> 100 °C
Flash Point:	Not applicable
Container Pressure:	90 – 110 psi
Evaporation rate (ether=1):	> 1
Flammability (Solid or gas):	Not applicable
Lower flammability or explosive limit:	No data
Upper flammability or explosive limit:	No data
Vapour pressure (mm Hg at 20°C):	No data
Vapour density (air=1):	No data
Specific gravity:	0.98 – 1.02
Solubility (water):	Miscible
Solubility (other):	No data
Partition coefficient (n-octanol/water):	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not reactive. Not sensitive to mechanical impact
Chemical stability:	Stable under normal conditions
Possibility of hazardous reactions:	None expected
Conditions to avoid:	Excessive heat and ignition sources
Incompatible materials:	Strong oxidizing agents and strong bases.
Hazardous decomposition products:	May produce toxic fumes of carbon oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eyes, skin and inhalation

Acute Toxicity of product:

- Oral LD₅₀ (rat) = > 5000 mg/Kg
- Dermal LD₅₀ (rabbit) = > 5000 mg/Kg
- Inhalation LC₅₀ (rat) = No data available

Delayed and Immediate Effects:

- Inhalation:** Inhalation of mists may cause slight respiratory tract irritation
- Skin contact:** May cause mild skin irritation
- Eye contact:** Direct contact may cause slight eye irritation
- Ingestion:** Ingestion of small amounts during handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Respiratory or skin sensitization: May cause allergic skin reaction

Aspiration Hazard: None known

Chronic Effects: None known

Carcinogenicity: The ingredients in this product are not classified as carcinogenic by the ACGIH, IARC, OSHA and NTP

Mutagenicity: No data

Reproductive effects: No data

Other information: None known

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Product is extremely toxic to fish and aquatic invertebrates. LC50 for fish is 5 ug/L to 315 ug/L and aquatic arthropods LC50 from 0.02 ug/L to 7.6 ug/L
Permethrin is slightly toxic to birds with oral LC50 values greater than 3600 mg/Kg

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Container Disposal: Non-refillable container. When container is empty, press valve to release pressure. Do not puncture or incinerate. Discard container in household garbage.

Waste Disposal: Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste product with normal garbage or to sewer systems.

SECTION 14: TRANSPORT INFORMATION

Canadian TDG Classification: UN1950, AEROSOLS, Class 2.2
LIMITED QUANTITIES - < 1 L per container and, 30 Kg per over-pack

Transportation Emergency Telephone Number: 1-888-CAN-UTEC

Special Precautions: None known

Marine Pollutant: Potential marine pollutant

SECTION 15: REGULATORY INFORMATION

WHMIS Classification: This product is registered under the *Pest Control Product Act* and is exempt from the requirements of WHMIS

Domestic Substance List (DSL): All ingredients are listed on the DSL

CEPA – National Pollutant Release Inventory: Not listed on the NPRI

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Services
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
IMDG: International Maritime Code for Dangerous Goods
IARC: International Agency for Research on Cancer
LD50: Lethal dose that kills 50% of the test sample
LC50: Lethal concentration required to kill 50% of the population
NPRI: National Pollutant Release Inventory
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PMRA: Pest Management Regulatory Agency
STOT: Specific Target Organ Toxicity
TLV: Threshold Limit Value
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Information System

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