

UR- CAN INC.  
3325 North Service Road, Unit 104  
Burlington, ON, L7N 3G2

**PRODUCT: Onguard Bed Bug Killer - 400g (REG.31515)**

**CODE: AD-190010**

### SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identity..... Onguard Bed Bug Killer - 400g (REG.31515)  
Product Item Numbers..... AD-190010  
Manufacturer..... Empack Spraytech Inc.  
98 Walker Drive  
Brampton  
Ontario  
Canada  
L6T 4H6  
905-792-6571  
24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.  
Recommended Use..... Insecticide.  
Consumer Commodity..... Yes.  
Hazard Ratings:  
HMIS..... Health: 1 Fire: 1 Reactivity: 0.  
NFPA Rating..... Health: 1 Fire: 1 Reactivity: 0.

### SECTION 02: HAZARDS IDENTIFICATION

Emergency Overview..... Contents under pressure. May cause skin and eye irritation.  
Potential Health Effects:  
Eye Contact..... May cause irritation, redness and pain.  
Skin Contact..... May cause skin irritation. If irritation persists, stop using the product and consult physician.  
Ingestion..... Ingestion is not a likely route of exposure. If it occurs, do not induce vomiting. Get medical advice.  
Inhalation..... Avoid breathing mist, may cause respiratory tract irritation. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma.

### SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Isobutane	75-28-5	10-30
Petroleum Distillates	64742-47-8	5-10
d-Phenothrin	26002-80-2	0.2
Tetramethrin	7696-12-0	0.2
Fragrance	Mix	0.1-1

### SECTION 04: FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.  
Skin Contact..... Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or physician immediately.  
Ingestion..... Immediately call a poison control centre or physician. Do not induce vomiting unless told to do so by a poison control centre or physician. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.  
Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.  
Additional Information..... Treat symptomatically and supportively. This product contains a pyrethroid. If a small amount is ingested (or if treatment is delayed) oral administration of large amounts of activated charcoal and a cathartic is probably sufficient therapy. If localized paresthesia develops, the site should be thoroughly washed with soap and water. Cold cream can be applied to help diminish the effect. DO NOT INDUCE VOMITING.

### SECTION 05: FIRE FIGHTING MEASURES

General Information..... As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapours may form an explosive mixture with air. Vapours can travel to a source of ignition and flash back. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapours may be heavier than air. They can spread along the ground and collect in low or confined areas.

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**SECTION 05: FIRE FIGHTING MEASURES**

Extinguishing Media..... In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Cool containers with flooding quantities of water until well after fire is out. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Do NOT use straight streams of water. Water may be ineffective. Use water spray to cool fire-exposed containers.

Hazardous Combustion Products..... Carbon dioxide, carbon monoxide.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

General Information..... Use proper personal protective equipment as indicated in Section 8.

Spills and Leaks..... Large spills are not expected in aerosol spray. However, if occurred through manufacturing process, absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. A vapour suppressing foam may be used to reduce vapours. Remove all sources of ignition.

**SECTION 07: HANDLING AND STORAGE**

Precautions for Safe Handling..... Wash thoroughly after handling . Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, liquid and/or vapour, it can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Conditions for Safe Storage including any ... Container is under pressure. Keep away from heat, sparks, and flame. Keep away from incompatibilities sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available
Petroleum Distillates	100 ppm	Not available	500 ppm; 2900 mg/m3	Not available	350 mg/m3
d-Phenothrin	Not available	Not available	Not available	Not available	Not available
Tetramethrin	Not available	Not available	Not available	Not available	Not available
Fragrance	Not available	Not available	Not available	Not available	Not available
Protective Equipment					
Clothing/Type .....	Wear adequate protective clothing to prevent skin contact.				
Eye/Face Protection.....	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910. 133 or European Standard EN166.				
Footwear/Type.....	No special equipment is necessary for this product.				
Gloves/Type.....	Wear appropriate gloves to prevent skin exposure.				
Other/Type.....	Not required.				
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.				
Exposure Limits					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State..... Aerosol spray mist.

Physical Appearance..... Milky.

Odour..... Fragrance.

Odour Threshold (ppm)..... Not available.

Specific Gravity (Aerosol)..... 0.920- 0.940.

Aerosol Vapour Pressure (psig, 21°C)..... 90-110.

Vapour Density (Air=1)..... Not available.

Evaporation Rate (n-Butyl Acetate = 1)..... > 1 .

pH..... 7-8.

Initial Boiling Point/Boiling Range (°C)..... 100.

Melting/Freezing Point (°C)..... < 0.

Solubility in water..... Miscible in water.

Aerosol Flame Projection..... Not applicable.

Flashback..... No.

Flash Point (°C), Method..... Not flammable. Closed cup.

Auto Ignition Temperature (Propellant), °C... Not available.

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Explosion Limits (vol%)..... Lower: N/Av; Upper: N/Av.  
 Coefficient of Water/Oil Distribution..... N/A.  
 Viscosity..... Very fluid.

**SECTION 10: STABILITY AND REACTIVITY**

Chemical Stability..... The product is stable under normal condition of use.  
 Conditions to Avoid..... Excessive heat, ignition sources, and oxidizing materials.  
 Incompatible Materials..... No information available.  
 Hazardous Decomposition Products..... By fire: Carbon dioxide, carbon monoxide.  
 Possibility of Hazardous Reactions..... Has not been reported.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Isobutane	658 mg/L (Rat - 4hrs)	Not available
Petroleum Distillates	>5.2 mg/L (Rat - 4hrs)	>5,000 mg/kg (Oral - Rat); >2,000 mg/kg (Dermal - Rabbit)
d-Phenothrin	>3.760 mg/L (Rat - 4hrs)	5,000 mg/kg (Oral - Rat); <1,000 mg/kg (Dermal - Rabbit)
Tetramethrin	Not available	4,640 mg/kg (Oral - Rat)
Fragrance	No data available	No data available
Route of Exposure.....	Inhalation, Eye contact, and ingestion.	
Effects of Acute Exposure.....	May cause dermatitis, irritation to eyes, dizziness, and vomiting.	
Chronic Effects.....	Avoid inhalation of product mist. Use in well ventilated conditions.	
Carcinogenicity.....	Not Classifiable as a Human Carcinogen.	
Reproductive Effects.....	No information is available, and no adverse effects are expected.	
Teratogenicity.....	No information is available, and no adverse effects are expected.	
Germ Cell Mutagenicity.....	Permethrin did not produce any mutagenic effects when tested in the Ames assay, Chromosome aberration test or DNA damage test.	
Toxicological Data		
Oral LD50-rat (Mixture, calculated):.....	135.3 g/kg.	
Dermal LD50-rabbit (Mixture, calculated):.....	66.1 g/Kg.	
Inhalation LC50-rat 4hrs (Mixture, calculated):.....	72.2 g/Kg.	

**SECTION 12: ECOLOGICAL INFORMATION**

Data from Toxicity Tests..... Not available .  
 Environmental..... Product contains components which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state/provincial and Federal/national regulations.  
 Bioaccumulation Potential..... Not available.  
 Other Adverse Effects..... No data available.  
 Absorption Potential..... No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.  
 Other Special Cautions..... When container is empty, replace cap and offer for recycling. Where recycling is not available, securely wrap container in several layers of newspaper and discard in trash. Contaminated absorbent and wash water should be disposed of according to local, State, and Federal regulations.

**SECTION 14: TRANSPORT INFORMATION**

UN Number..... 1950.  
 UN Proper Name..... AEROSOLS.  
 Transport Hazard Classification..... 2.2.  
 Packaging Group (if applicable) ..... Not applicable.  
 Limited Quantity..... None known.  
 Guidance on air shipments..... None known.  
 Guidance for marine shipments..... None known.  
 Any Special Precautions..... Protect from freezing.

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**SECTION 15: REGULATORY INFORMATION**

CEPA Status.....	All components of this product are listed on the Domestic Substance List (DSL) .
WHMIS Classification.....	Not applicable.
TSCA Inventory Status.....	All components are listed on TSCA .
OSHA.....	Not applicable.
SARA Section 313.....	None.

**SECTION 16: OTHER INFORMATION**

Disclaimer..... This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR. THIS SDS IS VALID FOR THREE YEARS. The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Empack assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material.

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