

**empack**Empack Spraytech Inc.  
98 Walker Drive  
Brampton, Ontario, L6T 4H6  
Canada  
905-792-6571**PRODUCT: Blaze Pro Residual Bed Bug Killer 400g BOV****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Blaze Pro Residual Bed Bug Killer 400g BOV  
 Product Item Numbers..... P3-099818.  
 Manufacturer Name and Address..... 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: 2 Fire: 1 Reactivity: 0.  
 NFPA Rating..... Health: 2 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. %
Permethrin	52645-53-1	1-5
1,2-benzisothiazolin-3-one	2634-33-5	< 0.1
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.  
 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.

**PRODUCT: Blaze Pro Residual Bed Bug Killer 400g BOV****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**

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), and 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.  
 Storage..... Container is under pressure. Keep away from heat, sparks, and flame. Keep away from 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**

Protective Equipment  
 Clothing/Type ..... Wear adequate protective clothing to prevent skin contact.  
 Eye/Type..... 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.  
 Engineering Controls..... Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.

## Exposure Limits

Ingredients	TWA	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
		STEL	STEL		STEL	STEL		
Permethrin	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
1,2-benzisothiazolin-3-one	0.1 mg/m3	Not available	Not available	Not available	Not available	Not available	Not available	Not available
Fragrance	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State..... Aerosol spray mist.  
 Physical Appearance..... white. milky.  
 Odour..... Characteristic.  
 Odour Threshold (ppm)..... Not available.  
 Specific Gravity (aerosol)..... 0.980-1.020.  
 Aerosol Vapour Pressure (psig, 21 deg. C)... 90 max.  
 Vapour Density (Air=1)..... Not available.  
 Evaporation Rate..... > 1.  
 pH..... 6 - 7.  
 Initial Boiling Point/Boiling Range (deg. C)... 100.  
 Melting/Freezing Point (deg. C)..... < 0.  
 Solubility..... Miscible in water.  
 Aerosol Flame Projection..... Not applicable.  
 Flashback..... No.  
 Flash Point (deg C), Method..... Not flammable. Closed cup.  
 Auto Ignition Temperature (deg C)..... Not applicable.  
 Explosion Limits (%)..... Lower: N/Av; Upper: N/Av.  
 Coefficient of Water/Oil Distribution..... Not available.  
 Viscosity..... Not available.

**Section 10: STABILITY AND REACTIVITY**

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

**PRODUCT: Blaze Pro Residual Bed Bug Killer 400g BOV****Section 11: TOXICOLOGICAL INFORMATION**

Route of Exposure.....	Eye contact, inhalation, and ingestion.
Effects of Acute Exposure.....	May cause dermatitis, irritation to eyes, dizziness, and vomiting.
Effects of Chronic Exposure.....	Avoid inhalation of product mist. Use in well ventilated conditions.
Carcinogenicity of Material.....	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.
Mutagenicity.....	Permethrin did not produce any mutagenic effects when tested in the Ames assay, Chromosome aberration test or DNA damage test.

## Toxicological Data

Ingredients	LC50-inh, rat	LD50-Oral,rat
Permethrin	Not available	1030 mg/kg (rat - oral); >2000 mg/kg (rabbit - dermal)
1,2-benzisothiazolin-3-one	1020 mg/Kg (Oral- rat)	>2000 mg/Kg (Dermal- rat)
Fragrance	Not available	Not available

**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 of 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) .....	I.
Limited Quantity.....	None known.
Guidance on air shipments.....	None known.
Guidance for marine shipments.....	None known.
Any Special Precautions.....	Protect from freezing.

**Section 15: REGULATORY INFORMATION**

Canada.....	WHMIS Classification: A: Compressed gas.
USA.....	Environmental Protection Act: Constituents of this product are included on the TSCA inventory. HMIS: 2 Health, 1 Fire, 0 Reactivity.

**Section 16: OTHER INFORMATION**

Disclaimer.....	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. THIS MSDS 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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