

empackEmpack Spraytech Inc.
98 Walker Drive
Brampton, Ontario, L6T 4H6
Canada
905-792-6571**PRODUCT: Blaze Pro Wasp and Hornet Destroyer 420mL BOV****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Identity..... Blaze Pro Wasp and Hornet Destroyer 420mL BOV
 Product Item Numbers..... P3-099814.
 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:3 Reactivity:0.
 NFPA Rating..... Health: 2 Fire: 3 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. Prolonged or repeated contact may dry the skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.
 Ingestion..... Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Small amounts of this product aspirated into the respiratory during ingestion or vomiting may cause mild to severe lung injury.
 Inhalation..... Avoid breathing mist, may cause respiratory tract irritation. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Pyrethrin	8003-34-7	< 0.1
Piperonyl Butoxide	51-03-6	0.1 - 1
Permethrin	52645-53-1	0.1 - 1
Odourless Mineral Spirits	64741-65-7	60-100
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. Launder clothing before reuse. Wash exposed area with soap and water. If symptoms persist, seek medical attention.
 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. Contains material that is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to 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..... Carbon dioxide, dry chemical, foam.

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

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.
Respiratory/Type..... Not normally required if good ventilation is maintained. NIOSH approved respirator recommended if vapours or mists are generated .
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			
Pyrethrin	5 mg/m3	Not available		5 mg/m3	Not available		Not available	
Piperonyl Butoxide	Not available	Not available		Not available	Not available		Not available	
Permethrin	Not available	Not available		Not available	Not available		Not available	
Odourless Mineral Spirits	Not available	Not available		Not available	Not available		Not available	
Fragrance	Not available	Not available		Not available	Not available		Not available	

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol.
Physical Appearance..... Clear mist.
Odour..... Characteristic.
Odour Threshold (ppm)..... Not available.
Specific Gravity (aerosol)..... 0.730 - 0.770.
Aerosol Vapour Pressure (psig, 21 deg. C)... 90 max.
Vapour Density (Air=1)..... > 5.4.
Evaporation Rate..... > 1.
pH..... Not available.
Initial Boiling Point/Boiling Range (deg. C)... 188.
Melting/Freezing Point (deg. C)..... < -60.
Solubility..... Miscible in water.
Aerosol Flame Projection..... > 45 cm but < 100 cm.
Flashback..... No.
Flash Point (deg C), Method..... 54. Closed cup.
Auto Ignition Temperature (deg C)..... Not applicable.
Lower Flammable Limit (% Vol)..... 1.2.
Upper Flammable Limit (% Vol)..... 9.3.
Coefficient of Water/Oil Distribution..... Not available.
Viscosity..... Not available.

PRODUCT: Blaze Pro Wasp and Hornet Destroyer 420mL BOV**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..... Strong Oxidizers.
 Hazardous Products of Decomposition..... By fire: Carbon dioxide, carbon monoxide.
 Hazardous Polymerization..... Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Route of Exposure..... Skin contact, Skin absorption, 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
Pyrethrin	Not available	200 mg/kg (rat - oral)
Piperonyl Butoxide	>5900 mg/m ³ (4 hrs - rat)	6150 mg/kg (rat - oral); >7950 mg/kg (rat - dermal)
Permethrin	Not available	1030 mg/kg (rat - oral); >2000 mg/kg (rabbit - dermal)
Odourless Mineral Spirits	>5900 mg/m ³ (4hrs - rat)	>8000ml/kg (rat - oral)
Fragrance	Not available	Not available

Section 12: ECOLOGICAL INFORMATION

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..... 2.1.
 Packaging Group (if applicable)..... III.
 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. B3: Combustible Liquid. D2B: Material causing other toxic Materials.
 USA..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. HMIS: 2 Health, 3 Fire, 0 Reactivity.

Section 16: OTHER INFORMATION

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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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