

SAFETY DATA SHEET

753146 AB Ltd. o/a Ultrasol Industries
10755-69 Avenue NW
Edmonton, Alberta, T6H 2C9
Canada
780-432-6535

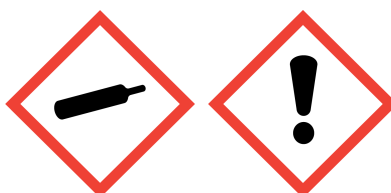
PRODUCT: Doktor Doom Supercharged Wasp and Hornet Jet Foam - 544 g (Reg. 32070)

SECTION 01: IDENTIFICATION

Product Identity..... Doktor Doom Supercharged Jet Foam - 544 g (Reg. 32070)
Product Item Numbers..... 44808, AE-100014
Manufacturer..... 753146 AB Ltd. o/a Ultrasol Industries
10755-69 Avenue NW
Edmonton, Alberta
Canada
T6H 2C9
780-432-6535

24 hour emergency telephone number..... In Canada: Call CANUTEC (613) 996-6666 - In The United States: Call CHEMTREC (800) 424-9300.

Recommended Use..... Insecticide Spray.

SECTION 02: HAZARD IDENTIFICATION

Label Elements:
Signal Word..... WARNING.
Hazard Classification:
Physical Hazards..... Aerosols - Category 3. Gases Under Pressure - Liquefied Gas .
Health Hazards..... Eye Irritation - Category 2. Skin Sensitization - Category 1.
Hazard Statement..... H229:Pressurised container: May burst if heated (3). H280:Contains gas under pressure; may explode if heated (L). H319:Causes serious eye irritation. H317:May cause an allergic skin reaction.

Environmental Hazards..... Not Classified.
Precautionary Statements:
Prevention..... P210:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251:Do not pierce or burn, even after use. P261:Avoid breathing dust/fume/gas/mist/vapours/spray. P272:Contaminated work clothing must not be allowed out of the workplace. P264:Wash hand thoroughly after handling. P280:Wear eye protection/face protection.

Response..... P302+P352:IF ON SKIN: Wash with plenty of water. P333+P313:If skin irritation or rash occurs: Get medical advice/attention. P362+P364:Take off contaminated clothing and wash it before reuse. P321:For specific treatment see section 4 on this SDS. P305+P351+P338:IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313:If eye irritation persists: Get medical advice/attention.

Storage..... P410+P412:Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. P403:Store in a well ventilated place .

Disposal..... P501:Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

Hazard(s) not otherwise classified (HNOC) None Known.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Ethyl alcohol	64-17-5	7-13
Isobutane	75-28-5	7-13
Propane	74-98-6	1-5
N-Octyl Bicycloheptene Dicarboximide	113-48-4	0.25
Permethrin	52645-53-1	0.20
Pyrethrins	8003-34-7	0.05
Fragrance	Mix	0.1-1

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Inhalation.....	No specific effects have been reported. Supply fresh air if any irritations persists.
Eye Contact.....	Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs. Get medical attention if irritation persists.
Skin Contact.....	Remove contaminated clothing. Launder clothing before reuse. Wash thoroughly with soap and lukewarm water.
Ingestion.....	Not likely to be ingested. If occurs, do not give anything by mouth to an unconscious person. Do not induce vomiting, get medical attention. Obtain medical advice.
Most important symptoms/effects, acute .. and delayed	Direct eye contact may cause temporary eye irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media.....	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Unsuitable Extinguishing Media.....	None in particular.
Specific Hazards Arising from the Chemical	Contents under pressure. Pressurized container may explode when exposed to heat or flame.
Special Protective Equipment and Precautions for Firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.
General Fire Hazards.....	Non-Flammable.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Ensure adequate ventilation; avoid formation of dust. Wear protective equipment and keep unprotected persons away. Use respiratory protection against the effects of dust.
Methods and Materials for Containment .. and Cleaning Up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.
Environmental Precautions.....	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling.....	Wash thoroughly after handling . Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Avoid contact with eyes. Avoid breathing vapours or spray mists of this product. Contents under pressure. Use with adequate ventilation. Keep away from heat, sparks, and open flames.
Conditions for Safe Storage including any Incompatibilities	Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10). Store a temperature between 5°C (41°F) and 50°C(122°F).

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV		OSHA PEL		NIOSH REL
		STEL	PEL	STEL	REL	
Ethyl alcohol	1000 ppm	1000 ppm	1000 ppm	Not available	1000 ppm	
Isobutane	Not available	1,000 ppm	Not available	Not available	Not available	
Propane	Not available	Not available	1,000 ppm	Not available	Not available	
N-Octyl Bicycloheptene Dicarboximide	Not available	Not available	Not available	Not available	Not available	
Permethrin	Not available	Not available	Not available	Not available	Not available	
Pyrethrins	5 mg/m3	Not available	5 mg/m3	Not available	Not available	
Fragrance	Not established	Not established	Not established	Not established	Not established	
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. Ground all equipment and cylinders before use.					

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Individual Protection Measures:

Eye/Face Protection.....	Prevent eye contact, wear safety glasses in the event that eye contact is possible.
Skin Protection.....	Not normally required.
Respiratory Protection.....	Not required on a short-term basis or if exhaust ventilation is provided. Use approved NIOSH respirators for emergencies.
Thermal Hazards.....	None Known.
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State.....	Aerosol.
Physical Appearance.....	Narrow powerful stream.
Odour.....	Citrus odour.
Odour Threshold (ppm).....	Not available.
Boiling Point (°C).....	100. (Liquid).
Melting/Freezing Point (°C).....	No data.
Evaporation Rate (n-Butyl Acetate = 1).....	Not available.
pH.....	9.0 - 10.0.
Solubility in water.....	Soluble in water.
Vapour Pressure (psig).....	50-65.
Specific Gravity.....	0.920-0.960.
Auto Ignition Temperature (Propellant), °C.....	460. (Isobutane).
Flash Point (°C), Method.....	-82.8. (Isobutane).
Flashback.....	No.
Lower Flammable Limit (% Vol).....	1.8. (Isobutane).
Upper Flammable Limit (% Vol).....	8.8. (Isobutane).
VOC Content.....	No data .
Viscosity.....	N/A.

SECTION 10: STABILITY AND REACTIVITY

Reactivity.....	Product not reactive under normal conditions of use.
Chemical Stability.....	Stable at normal temperatures and pressures.
Possibility of Hazardous Reactions.....	Will not occur.
Conditions to Avoid.....	Avoid sources of heat and flame, and electrostatic charge.
Incompatible Materials.....	Avoid contacting with oxidizers.
Hazardous Decomposition Products.....	Thermal decomposition and burning may produce carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Ethyl alcohol	31,623 ppm (Rat - 4hrs)	7,060 mg/kg (Oral - Rat); 20,000 mg/kg (Dermal - Rabbit)
Isobutane	658 mg/L (Rat - 4hrs)	Not available
Propane	658 mg/L (Rat - 4hrs)	Not available
N-Octyl Bicycloheptene Dicarboximide	>4.08 mg/L (Rat - 4hrs)	5,000 mg/kg (Oral - Rat); 2,000 mg/kg (Dermal - Rabbit)
Permethrin	Not available	1,000 mg/kg (Oral - Rat); >2,000 mg/kg (Dermal - Rabbit)
Pyrethrins	>2.03 mg/L (Rat - 4 hrs)	>2,000 mg/kg (Oral - Rat); >5,000 mg/kg (Dermal - Rabbit)
Fragrance	No data	No data
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	No.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	No.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical,	Irritant effects.	
Chemical and Toxicological Characteristics		
Acute Toxicity.....	No known significant effects.	
Skin Corrosion/Irritation.....	May cause mild skin irritation.	
Serious Eye Damage/Eye Irritation.....	Direct contact with eyes causes temporary irritation.	
Respiratory or Skin Sensitization.....	May cause skin sensitization.	

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Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.
Carcinogenicity.....	Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.
Reproductive Toxicity.....	Contains no ingredient listed as toxic to reproduction.
STOT - Single Exposure.....	Based on available data, the classification criteria are not met.
STOT - Repeated Exposure.....	Not classified.
Aspiration Hazard.....	No data available .
Chronic Effects.....	No long term chronic effects are known or anticipated.
Oral LD50-Rat (Mixture, calculated):.....	>2000 mg/kg.
Dermal LD50-Rabbit (Mixture, calculated):.....	>5,000 mg/kg.
Inhalation LC50-Mouse 4hrs (Mixture, calculated):.....	>130 mg/L.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Complete information is not yet available. This product has not been tested. Based on information available on its ingredients, no adverse environmental impact is anticipated under intended use in accordance with instructions .
Persistence and degradability	The product itself has not been tested.
Bioaccumulation Potential.....	The product itself has not been tested.
Mobility in Soil.....	The product itself has not been tested.
Other Adverse Effects.....	None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods.....	Dispose in accordance with local, provincial and federal regulations.
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SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.
DOT (US-Road).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty., Consumer Commodity, ORM-D.
IMDG (International- Marine).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.
IATA (International- Air).....	UN1950, AEROSOLS, Class 2.2, Ltd. qty.

SECTION 15: REGULATORY INFORMATION

Canada Regulations:.....	WHMIS Classification. A: Compressed gas. Regulated by the Pest Control Product Act.
US Regulations.....	OSHA (29CFR 1910.1200).

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. . The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material.
Abbreviations.....	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
Prepared by	Regulatory Affairs
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