WASP - Hornet

BETCO

Material Safety Data Sheet

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

WHMIS (Pictograms)	WHMIS Class B-5: Flammable aerosol. WHMIS (Classification)	HCS Class: Flammable aerosol. HCS

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	**Wasp and Hornet**
Synonym	Not available.
Chemical Family	Pesticide.
Chemical Formula	Not applicable.
Manufacturer/ Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (800) 333-2156
TSCA	**TSCA Inventory: All components listed or are exempt from listing.**
DSL/ NDSL	**All components listed unless noted elsewhere on this MSDS**

Code	3600
CAS #	Mixture.
Validation Date	**3/2/2007**
Print Date	3/24/2007
In Case of Emergency	CHEMTREC (800) 424-9300

Protective Clothing

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC_{50}/LD_{50}
Petroleum Distillates	64742-47-8	80 - 90	TWA: 100 ppm **OSHA (United States).** TWA: 300 ppm	Not available.
Isopropyl Alcohol	67-63-0	5 - 10	TWA: 400 ppm **OSHA (United States).** TWA: 400 ppm STEL: 500 ppm	ORAL (LD50): Acute: 16971 mg/kg [Rat].
Carbon Dioxide	124-38-9	1 - 5	**ACGIH TLV (United States).** TWA: 5000 ppm 8 hour(s). **OSHA (United States).** TWA: 5000 ppm	Not available.
Tetramethrin and Related Compounds	7696-12-0	0.2	Not available.	Not available.
d-Phenothrin	26002-80-2	0.125	Not available.	ORAL (LD50): Acute: 10000 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects	No specific information is available in our database regarding the acute toxic effects of this material for humans.
Potential Chronic Health Effects	May aggravate existing respiratory conditions. May aggravate existing skin conditions.
Carcinogenic Effects	Not available.

Section 4. First Aid Measures

Eye Contact	Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor immediately for treatment advice.
Skin Contact	Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill and Leak	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves.

Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label.
Incompatibility	Not available.
Storage	Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
Eyes	Safety glasses.
Body	No special protective clothing is required.
Respiratory	Wear appropriate respirator when ventilation is inadequate.

	Hands Gloves.
Protective Clothing (Pictograms)	
Exposure Limits	See Section 2 For Applicable Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Molecular Weight	Not applicable.
pH	Not available.
Boiling/Condensation Point	Not available.
Melting/Freezing Point	Not available.
Critical Temperature	Not available.
Instability Temperature	Not available.
Specific Gravity	0.8136 (Water = 1)
Vapor Pressure	11.2 kPa (84 mm Hg) (at 20°C)
Vapor Density	Not available.
Volatility	Not available.
VOC	Not available.
Evaporation Rate	<1 compared to Butyl acetate.
Dispersion Properties	Not available.
Solubility	Not available.
The Product is:	FLAMMABLE.
Auto-ignition Temperature	Not available.
Flash Points	Closed cup: >83.889°C (183°F).
Flammable Limits	Lower: 0.5% Upper: 12.7%
Fire Hazards in Presence of Various Substances	FLAMMABLE.
Explosion Hazards in Presence of Various Substances	Containers may explode when heated

Odor	Characteristic.
Taste	Not available.
Color	Clear.

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 16971 mg/kg [Rat]. (Isopropyl Alcohol).
Acute Effects on Humans	
Eyes	Irritating to eyes.
Skin	Irritating to skin.
Inhalation	May cause, headache, dizziness, and nausea
Ingestion	Aspiration hazard if swallowed- can enter lungs and cause damage.
Chronic Effects on Humans	May aggravate existing respiratory conditions. May aggravate existing skin conditions.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

Section 14. Transport Information

DOT (U.S.A) (Pictograms)

TDG Classification 3

PIN UN, Proper Shipping Name, PG Shipping name: FLAMMABLE LIQUIDS, N.O.S. UNNA: UN1993 PG: I

Maritime Transportation Not available.

Special Provisions for Transport	Not available.

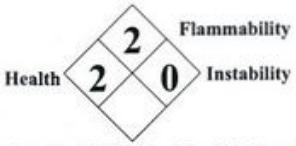
Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification)	WHMIS Class B-5: Flammable aerosol.	
Regulatory Lists	No products were found.	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	**HCS (U.S.A.)**	HCS Class: Flammable aerosol.
	USA Regulatory Lists	SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Isopropyl Alcohol: Fire hazard
	DSD (EEC)	This product is not classified according to the EU regulations.
	International Regulations Lists	No products were found.

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		4
Physical Hazard		1

National Fire Protection Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Validated by CRushton on 3/2/2007.

Verified by CRushton.

Printed 3/24/2007.

Information Contact **Betco Corporation**
1001 Brown Avenue
Toledo, Ohio 43607

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Continued on Next Page