

MATERIAL SAFETY DATA SHEET (MSDS)

ITEM NUMBER: 012 - BEE WASP & HORNET KILLER 12 OZ

IDENTITY (As Used On Label and List) BEE WASP & HORNET KILLER 12 OZ

EMERGENCY MEDICAL TELEPHONE NUMBER 1-800-228-5635 (24 HRS)

Section I

SPRAYWAY, INC.
484 VISTA
ADDISON

IL, 60101

TELEPHONE NUMBER FOR INFORMATION:
1-312-628-0998

DATE PREPARED: 05/31/88

NAME OF PREPARER: T. O. Vyfhuis

Section II - Hazardous Ingredients/Identity Information

Hazardous Components(Chemical Identity-Common Name)	PEL	TLV	Other Limits Recommended	% Opt.
Medium aliphatic naphtha(CAS #64742-88-7) -(as Petroleum distillates)	500ppm	NE		80-90
Propane propellant (CAS #74-98-6)	1000ppm	A*		5-15
Malathion(CAS #121-75-5) - skin	15mg/m3	10mp/m3		<5
Non-hazardous ingredients**	NA	NA		BAL.

*Asphyxiant

**Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200).

Section III - Physical/Chemical Characteristics

Flash Point(Method Used): 105F TCC

Boiling Point: 310-410F

Specific Gravity(H20=1): 0.74

Vapor Pressure(psig): 65 @ 130F

Solubility in Water: Insoluble

Vapor Density(AIR = 1): >1

Melting Point: NA

Evaporation Rate(Butyl Acetate = 1): <1

Appearance and Odor: Heavy jet stream spray; petroleum distillate odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (*Method Used*): Liquid: >100F

Flammable Limits - (Propellant) LEL: 2.1% UEL: 9.5%

Extinguishing Media: Carbon dioxide, dry chemical or foam.

Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards: Do not spray near open flame or while smoking. At elevated temperatures over (54C = 130F), containers may vent, rupture or burst.

Section V - Reactivity Data

Stability - Unstable: Stable: X

Incompatibility (*Materials to Avoid*): Strong oxidizers

Hazardous Decomposition or Byproducts: Carbon monoxide and other toxic chemicals may be formed in small amounts.

Hazardous Polymerization - May Occur: Will Not Occur: X

Conditions to Avoid: Do not store aerosol containers above (49C - 120F). Keep away from heat, open flames or sparks. Dropping of containers could cause bursting.

Section VI - Health Hazard Data

Route(s) of Entry - Inhalation: X Skin: X Ingestion:

Health Hazards (*Acute and Chronic*):

Carcinogenicity - NTP: IARC Monographs: OSHA Regulated:

Signs and Symptoms of Exposure: Inhalation may cause dizziness and drowsiness. Eye contact may cause irritation. Skin contact may cause redness or irritation. Ingestion of aerosols is not a likely route however, ingestion of the liquid may result in vomiting which could cause aspiration pneumonitis.

Medical Conditions Generally Aggravated by Exposure: Pre-existing eye and skin disorders may be aggravated.

Emergency and First Aid Procedures: INHALATION: Move victim to source of fresh air. Call a physician. EYES: Flush eyes immediately with water for at least 15 minutes. If irritation occurs, contact a physician. SKIN: Remove contaminated clothing. Wash skin with soap and water. Wash contaminated clothing before reuse. INGESTION: Do not induce vomiting. If vomiting occurs spontaneously, aspiration (breathing) of vomitus into the lungs must be avoided by keeping the victim's head below the hips. Get medical attention.

Note To Physician: Product contains approximately 80% petroleum distillate. If more the 2.0ml per kg has be ingested and vomiting has not occurred, emesis should be induced with supervision. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

Section VII - Precautions for Safe Handling and Use

Steps To Be Taken In Case Material Is Released or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

Precautions To Be Taken In Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers.

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Section VIII - Control Measures

Respiratory Protection(Type): Not normally required. If TLV is exceeded or for symptoms of overexposure, wear a NIOSH approved organic vapor respirator with a pesticide pre-filter.

Ventilation -

Local Exhaust: Should be used to provide adequate dilution.

Mechanical(General): Optional

Protective Gloves: Chemical resistant gloves.

Eye Protection: Safety glasses.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment in accordance with 29 CFR 1910.132 and CFR 1910.133.

NA-Not Applicable

NE-Not Established

UN-Unavailable

ND-Not Determined

The information provided herein was believed to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use.

33

PRODUCTS

PRODUCT IDENTIFICATION	
COMPANY NAME SPRAYWAY, INC.	Regular Telephone Number: 312-628-0998 Emergency Telephone Number: 312-628-0998
ADDRESS 484 VISTA AVE., ADDISON, IL 60101	
PRODUCT TRADE NAME OR BRAND NAME SPRAYWAY BEE, WASP, HORNET KILLER	
OTHER PRODUCT DESCRIPTION OR IDENTIFICATION Insecticide Spray #780829	

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT CHEMICAL NAME	CAS #	Approx Wt.	TLV
Petroleum Distillate	64742-88-7	8Z	OSHA TWA= 100 ppm
Malathion	121-75-5	2	OSHA TWA= mg/m ³
DDVP	62-73-7	0.2	1 mg/m ³ (skin)
Pyrethrins	8003-34-7	0.1	OSHA TWA= 5 mg/m ³
Hydrocarbon Propellant	74-98-6	10	ACGIH TWA= 1000 ppm

SECTION III - PHYSICAL DATA

Boiling Point: NA	Specific Gravity: 0.74
Vapor Pressure (psig): 65 @ 130F	Percent Volatiles by Volume (%): (Propellant) LEL 1.9-2.1 UEL 8.5-9.5
Vapor Density (AIR = 1): Greater	Evaporation Rate (n-Butyl Acetate = 1): Slower
Solubility in Water: Negligible	
Appearance and Odor:	

Heavy jet stream spray, petroleum distillate odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (minimum) Method: NA	Flammable Limits in Air Volume % (Propellant) LEL 1.9-2.1 UEL 8.5-9.5
Extinguishing Media:	

Dry Chemical, CO₂

SPECIAL FIREFIGHTING PROCEDURES: Keep containers cool. Use equipment or shielding as required to protect personnel against bursting, rupturing, or venting containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: At elevated temperatures (over 54°C/130°F) containers may vent, rupture, or burst.

Unless noted otherwise, all information given is on the TOTAL PRODUCT, INCLUDING propellents.
Date Filled Out: 11-25-85 Prepared or Approved by: 

PRODUCT TRADE NAME:

PRODUCT DESCRIPTION: