

Material Safety Data Sheet



Zep Sales & Service, A Unit of Zep Inc.
1310 Seaboard Industrial Blvd.
Atlanta, GA 30318
1-877-I-BUY-ZEP (428-9937)
www.zep.com

Section 1. Chemical Product and Company Identification

Product name ZEP WASP & HORNET KILLER
Product use Insecticide.
Product code 0284
Date of issue 03/24/08 **Supersedes** 01/10/06

This product is a registered pesticide. EPA ID No. 40849-77-1270

Emergency Telephone Numbers

For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency

INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

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Prepared By

Compliance Services
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

CAUTION

CAUSES EYE IRRITATION.

FLAMMABLE. CONTENTS UNDER PRESSURE.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

*Hazard Determination System (HDS): Health, Flammability, Reactivity



Acute Effects

Routes of Entry

Eye contact.

Eyes Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin May cause skin irritation. May cause allergic skin reactions with repeated exposure.

Inhalation Inhalation not likely under normal use conditions.

Ingestion Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.

Chronic effects Prolonged or repeated contact may dry skin and cause irritation.

Carcinogenicity EPA Group C: Possible human carcinogen.(Piperonyl Butoxide)

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
ISOPARAFFINIC SOLVENT; hydrotreated light distillate (petroleum)	64741-73-7	>95
TETRAMETHRIN	7696-12-0	0.10
Permethrin	52645-53-1	0.25
PIPERONYL BUTOXIDE; alpha-(2-(2-butoxyethoxy)ethoxy)-4,5-(methylenedioxy)-2-propyl-	51-03-6	0.50
toluene		
CARBON DIOXIDE	124-38-9	1 - 5

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Skin Contact After contact with skin, wash immediately with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

Inhalation Move exposed person to fresh air. If irritation persists, get medical attention.

Ingestion ASPIRATION HAZARD. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

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



Flash Point	Not applicable
Flammable Limits	Not applicable
Flammability	Flammable. (CSMA Method)
Fire hazard	CONTENTS UNDER PRESSURE. In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed.
Fire-Fighting Procedures	Use dry chemical, CO ₂ , water spray (fog) or foam. Cool containers with flooding amounts of water from as far a distance as possible. Do not release runoff from fire to sewers or waterways.

Section 6. Accidental Release Measures

Spill Clean up	Large spills are unlikely due to packaging. Absorb with an inert material and place in an appropriate waste disposal container.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Do not ingest. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Wash thoroughly after handling. Apply this product only as specified on the label.
Storage	CONTENTS UNDER PRESSURE. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep away from heat, sparks and flame. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

ISOPARAFFINIC SOLVENT; hydrotreated light distillate (petroleum)
TETRAMETHRIN
CARBON DIOXIDE

Exposure limits

NIOSH REL (United States).
TWA: 1200 mg/m³ Form: Vapor
ACGIH TLV (United States).
TWA: 10 mg/m³ 8 hour(s). Form: Dust
ACGIH TLV (United States).
TWA: 5000 ppm 8 hour(s).
STEL: 30000 ppm 15 minute(s).

Personal Protective Equipment (PPE)

Eyes	Safety glasses.	
Body	For prolonged or repeated handling, use gloves. Recommended: Rubber gloves. Nitrile gloves. Neoprene gloves.	
Respiratory	Avoid direct inhalation of spray. A respirator is not needed under normal and intended conditions of product use.	

Section 9. Physical and Chemical Properties

Physical State	Liquid. [Aerosol.]	Color	Clear to white.
pH	Not applicable	Odor	Characteristic. [Slight]
Boiling Point	217.77°C (424°F)	Vapor Pressure	0.0093 kPa (0.07 mm Hg)
Specific Gravity	0.8	Vapor Density	Not determined.
Solubility	Insoluble in the following materials: cold water and hot water.	Evaporation Rate	<1 (Butyl acetate. = 1)
		VOC (Consumer)	319.45 (g/l). 2.67 lbs/gal (40.00%)

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Keep away from heat, sparks and flame. Reactive or incompatible with the following materials: oxidizing materials.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂)

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Isoparaffinic Solvent; Hydrotreated light distillate (petroleum)	LD50 Dermal	Rabbit	>2000 mg/kg	-
Piperonyl Butoxide	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-

Section 12. Ecological Information

Environmental Effects Toxic to aquatic organisms. Keep out of waterways.

Aquatic Ecotoxicity

Not available.

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Classification: - [Non-hazardous waste]

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	None ORM-D Other regulated materials	Consumer commodity	ORM-D	-	
IMDG Class	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

Product name

Permethrin
Piperonyl Butoxide

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations

California Prop 65 No products were found.

Section 16. Other Information

*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.*

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.