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

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.

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.

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

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

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

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

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, CO₂, 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.

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
  TWA: 5000 ppm 8 hour(s).
  STEL: 30000 ppm 15 minute(s).

Personal Protective Equipment (PPE)
- Eyes: Safety glasses.
- 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.]
pH: Not applicable
Boiling Point: 217.77°C (424°F)
Specific Gravity: 0.8
Solubility: Insoluble in the following materials: cold water and hot water.

Color: Clear to white.
Odor: Characteristic. [Slight]
Vapor Pressure: 0.0093 kPa (0.07 mm Hg)
Vapor Density: Not determined.
Evaporation Rate: <1 (Butyl acetate. = 1)

VOC (Consumer): 319.45 (g/l). 2.67 lbs/gal (40.00%)
**Section 11. Toxicological Information**

**Acute Toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isoparaffinic Solvent; Hydrotreated light distillate (petroleum)</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;2000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Piperonyl Butoxide</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;2000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>4300 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;2000 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>None ORM-D</td>
<td>Consumer commodity</td>
<td>ORM-D</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IMDG Class</td>
<td>Not determined.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:**

<table>
<thead>
<tr>
<th>Product name</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Permethrin</td>
<td></td>
</tr>
<tr>
<td>Piperonyl Butoxide</td>
<td></td>
</tr>
</tbody>
</table>

**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.

**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.*