



Zep Inc.  
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Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
Superior Solutions www.zep.com

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEP GREASE MONKEY  
**Product use** Base Oils.  
**Product code** 0060  
**Date of issue** 03/24/05 **Supersedes** 11/12/98

**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

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## Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
METHYLENE CHLORIDE; dichloromethane; methylene dichloride	75-09-2	50 - 60	<b>OSHA PEL (United States).</b> TWA: 25 ppm 8 hour(s). <b>OSHA (United States).</b> STEL: 125 ppm 15 minute(s).
LUBRICANT BLEND	64742-88-7; 64742-58-5	20 - 30	<b>Ingredient #1:</b> Not Established <b>ACGIH TLV (United States). Notes: Ingredient #2</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Oil Mist
PROPANE; liquefied petroleum gas	68476-85-7	10 - 20	<b>ACGIH TLV (United States).</b> : 800 ppm 8 hour(s). <b>OSHA PEL (United States).</b> TWA: 1000 ppm 8 hour(s).

## Section 3. Hazards Identification

### Acute Effects

**Routes of Entry** Dermal contact. Eye contact. Inhalation.

**Skin** Hazardous by the following route of exposure: of skin contact (irritant, permeator). Direct contact may cause irritation and redness. Product may be dermal absorbed. Skin inflammation is characterized by itching, scaling, or reddening.

**Eyes** Hazardous by the following route of exposure: of eye contact (irritant). Liquid in eye may cause irritation with possible damage if not rinsed immediately. Inflammation of the eye is characterized by redness, watering and itching.

**Inhalation** Hazardous by the following route of exposure: of inhalation (lung irritant). Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

**Ingestion** May be fatal if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage.

### HMIS

Health	3
Fire Hazard	4
Reactivity	0
Personal Protection	X

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

### Carcinogenic Effects

Methylene Chloride: Classified 2B (Possible for humans.) by IARC; Classified A2 (Suspected for humans.) by ACGIH

### Chronic Effects

The substance may be toxic to blood, kidneys, liver, peripheral nervous system, central nervous system (CNS). Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

See Toxicological Information (section 11)

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Aspiration hazard if swallowed. Can enter lungs and cause damage. If swallowed, do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Not determined.	<b>Flammable Limits</b> Lower: 13% Upper: 22%
<b>Flammability</b>	Extremely flammable (CSMA)	
<b>Fire hazard</b>	CONTENTS UNDER PRESSURE. Flammable liquid and vapor. Vapor may cause flash fire. May emit toxic fumes under fire conditions. Container explosion may occur under fire conditions or when heated.	
<b>Fire-fighting procedures</b>	Dry chemical, carbon dioxide, foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.	

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Large spills are unlikely due to packaging.
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**Section 7. Handling and Storage**

<b>Handling</b>	Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Use with adequate ventilation. Do not ingest. Observe label precautions. Watch for accumulation in low confined areas. Wash contaminated clothing before reusing. Wash thoroughly after handling.
<b>Storage</b>	CONTENTS UNDER PRESSURE. Store and use away from heat, sparks, open flame or any other ignition source. Keep away from heat and direct sunlight. Store below 120°F (49°C). Do not puncture or incinerate. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection**

	<b>Personal Protection</b>	<b>Protective Clothing (Pictograms)</b>
<b>Eyes</b>	Safety glasses. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.	
<b>Body</b>	Protective gloves should be worn during handling. Recommended: Viton gloves.	
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. (Aerosol. Oily liquid.)	<b>Color</b> Clear. Red.
<b>pH</b>	Not applicable.	<b>Odor</b> Hydrocarbon.
<b>Boiling Point</b>	40°C (104°F)	<b>Vapor Pressure</b> 45.3 kPa (340 mm Hg) (at 20°C)
<b>Specific Gravity</b>	1.095 (Water = 1)	<b>Vapor Density</b> Not determined.
<b>Solubility</b>	Insoluble in the following materials: cold water, hot water.	<b>Evaporation Rate</b> Not determined.
		<b>VOC (Consumer)</b> 297.33 (g/l). 2.48 lbs/gal 27.20%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Slightly reactive to reactive with oxidizing agents, alkalis. Incompatible with amines. Protect from temperature extremes and direct sunlight.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Carbon dioxide., Carbon monoxide., Hydrogen chloride (HCl)., Chlorine and Phosgene gas.

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Methylene Chloride:</b> ^[25,45,50,70 ORAL (LD50): □ Acute: 1500 mg/kg [Rat].
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**Section 12. Ecological Information****Ecotoxicity** Not available.**Biodegradable/OECD** 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** Code: D001  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)

Consult your local or regional authorities.

**Section 14. Transport Information****Proper shipping name** Consumer commodity**DOT Classification** ORM-D**UN number** Not regulated.

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.

**TDG Classification** ORM-D**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

Methylene Chloride

Clean Water Act (CWA) 311: Methylene Chloride (RQ 1,000 lbs)

Clean Air Act (CAA) 112 regulated toxic substances: Methylene Chloride

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

**State Regulations****WARNING:** This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Methylene Chloride, Propylene Oxide**WHMIS (Canada)**

Class B-5: Flammable aerosol.

Class D-1B: Material causing immediate and serious toxic effects (Toxic).

Class D-2B: Material causing other toxic effects (Toxic).

**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.*