



# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEP GREASE MONKEY  
**Product Use** Lubricating grease and oil.  
**Product Code** 0060  
**Date of issue** 09/09/09 **Supersedes** 11/06/06

**Emergency For MSDS Information:**  
**Telephone Numbers** Technical Services Group  
 Zep Inc.  
 Telephone: (780) 453-8100 (Business Hours 8:00-5:00)

**For a Medical or Transportation Emergency:**  
 CANUTEC (24 Hours)  
 (613) 996-6666 - Call Collect

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Printing date: 09/09/09

**Date of Preparation :** 09/09/09

## Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Toxicity Data			
METHYLENE CHLORIDE; dichloromethane; methylene dichloride	75-09-2	30 - 60	LD50	Rat	Oral	1500 mg/kg
PROPANE; liquefied petroleum gas	68476-85-7	10 - 30	Not available.	Not available.	Not available.	Not available.
LUBRICANT BLEND	64742-88-7; 64742-58-5	15 - 40	Not available.	Not available.	Not available.	Not available.

## Section 3. Hazards Identification

### Acute Effects

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

- Skin** Hazardous in case 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 in case 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 in case of inhalation (lung irritant). Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system depression.
- Ingestion** May be fatal if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.

### 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 mist may produce chronic eye irritation and severe skin irritation.

**Additional information : See Toxicological Information (section 11)**

## Section 4. First Aid Measures

- Eye Contact** 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.
- Skin Contact** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.
- Inhalation** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion** 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****Flash Point** Not determined **Flammable Limits** LOWER: 13% UPPER: 22%**Flammability** Extremely flammable (CSMA)**Auto-ignition Temperature****Fire-Fighting Procedures** Dry chemical, carbon dioxide, foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.**Fire Hazard** 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.**Products of Combustion** Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride (HCl), Chlorine and Phosgene Gas.**Explosion hazard****Section 6. Accidental Release Measures****Spill Clean up** Large spills are unlikely due to packaging.**Section 7. Handling and Storage****Handling** Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray 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.**Storage** 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. 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****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** Splash goggles. 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.**Protective Clothing (Pictograms)****Hands and Body** Protective gloves should be worn during handling. Recommended: Viton gloves.**Respiratory** 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.**Exposure Limits**

Name of Hazardous Ingredients	CAS #	Exposure Limits
Methylene Chloride	75-09-2	<b>OSHA PEL (United States).</b> TWA: 25 ppm 8 hour(s). <b>OSHA (United States).</b> STEL: 125 ppm 15 minute(s). <b>ACGIH TLV (United States).</b> TWA: 50 ppm 8 hour(s).
Lubricant Blend	64742-88-7; 64742-58-5	<b>ACGIH TLV (United States). Notes: Ingredient #2</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Oil Mist
Propane	68476-85-7	<b>ACGIH TLV (United States).</b> : 800 ppm 8 hour(s). <b>OSHA PEL (United States).</b> TWA: 1000 ppm 8 hour(s).

[Consult local authorities for acceptable exposure limits.](#)**Section 9. Physical and Chemical Properties****Physical State** Liquid. (Aerosol. Oily liquid.)**Color** Clear. Red.**pH** Not applicable.**Odor** Hydrocarbon.**Boiling Point** 40°C (104°F)**Vapor Pressure** 45.3 kPa (340 mmHg) (at 20°C)**Freezing Point****Vapor Density** Not determined.**Specific Gravity** 1.095 (Water = 1)**Evaporation Rate** Not determined.**Solubility** Insoluble in cold water, hot water.**VOC (Consumer)** 297.33 (g/l). 2.48 lbs/gal 27.20%**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Slightly reactive to reactive with oxidizing agents, alkalis. Incompatible with amines. Protect from temperature extremes and direct sunlight.**Reactivity** Will not occur.**Hazardous Decomposition Products** Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride (HCl), Chlorine and Phosgene Gas.

**Section 11. Toxicological Information****Carcinogenic Effects**

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

**Reproductive Effects****Mutagenic Effects****Teratogenic Effects****Section 12. Ecological Information****Ecotoxicity**

Not available.

**Biodegradable/OECD**

Not available.

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed according to applicable regulations. Consult your local or regional authorities.


**Waste Stream**

Code: D001

Classification: - (Hazardous waste.)

Origin: - (RCRA waste.)

**Section 14. Transport Information**

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
TDG Classification	1950	Aerosols, flammable	2.1	-		<b>Explosive Limit and Limited Quantity Index</b> 1

Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to the TDG regulations.

**Section 15. Regulatory Information****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).

**Other Regulations**

Not available.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the available information required by the CPR.

**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.*