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Lapmaster  
International



## MATERIAL SAFETY DATA SHEET

Date: November 2008

### Section #1: PRODUCT AND COMPANY IDENTIFICATION

Lapmaster International, LLC  
501 W. Algonquin Road  
Mt. Prospect, IL 60056

Telephone: (224) 659-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST)  
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Product Identification: METS Red Lubricant Series KG4431  
Product Name: Lubricant Formulation METS-LUBE-RED-XXXX

### Section #2: COMPOSITION INFORMATION ON INGREDIENTS

Ingredient Information: Glycol, Alcohol, Water

Component Name	Percentage %	CAS Number	OSHA PEL	ACGIH TWA
Ethylene Glycol	50-90%	107-21-1	50ppm	50ppm
Methyl Alcohol	2-5%	67-56-1	50ppm	50ppm

### Section #3: HAZARDS INFORMATION

EMERGENCY OVERVIEW: Flammable, may cause blindness or fatal if swallowed

POTENTIAL HEALTH EFFECTS:

**EYE:** May cause irritation & excessive tears  
**SKIN:** May cause irritation  
**INGESTION:** May cause dizziness, euphoria, nausea, vomiting, blindness, convulsions, kidney damage or death  
**INHALATION:** Irritant: Can cause blindness, vomiting, nausea, headaches, dizziness.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Repeated exposure may aggravate existing liver & kidney disease

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

None Known

**SIGNS AND SYMPTOMS OF EXPOSURE:**

None Known

**CHRONIC / CARCINOGENICITY:**

NTP: N/A  
OSHA: N/A  
IARC: N/A

**Section #4: FIRST AID MEASURES**

**EYES:** Remove Contacts – Flush eyes with saline – Seek Medical Attention  
**SKIN:** Wash with Soap and water for 15 minutes – If irritated, Seek Medical Attention  
**INGESTION:** Provide plenty of water – Seek Immediate Medical Attention  
**INHALATION:** Remove victim to fresh air

**Section #5: FIRE FIGHTING MEASURES**

**FIRE FIGHTING:** Flammable: Use self-contained breathing apparatus and protective clothing. Reignition possible.  
**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, dry chemical, foam  
**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide and carbon dioxide  
**CONDITIONS OF FLAMMABILITY:** Can produce floating fire hazard  
**EXPLOSION DATA:**  
IMPACT SENSITIVITY: N/A  
STATIC DISCHARGE: Vapors can travel and ignite by spark

**Section #6: ACCIDENTAL RELEASE MEASURES**

**GENERAL:** Remove all ignition & spark sources. Confine spill use to local or federal regulations in collecting and disposing of material. Wipe with water.

**Section #7: HANDLING AND STORAGE**

**HANDLING:** Flammable! Wear Safety Goggles-Protective Gloves, Adequate Ventilation. Wash after handling.  
**STORAGE:** Store in a cool, dry place away from sparks, flames or other ignition sources. Always keep the containers sealed/closed when not in use.

**Section #8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** See section #3

**PERSONAL PROTECTION:**

**EYE/FACE:** Wear Safety Goggles  
**SKIN:** Use Gloves  
**RESPIRATORY:** Proper Ventilation

**Section #9: PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Thin liquid  
**ODOR AND APPEARANCE:** Red color, strong odor  
**BOILING POINT:** 284 Degrees F  
**MELTING POINT:** 9 Degrees F  
**PH:** N/A  
**VAPOR PRESSURE (mmHg):** 0.1mm Hg@68F  
**SPECIFIC GRAVITY:** 1.1 (water = 1)  
**WATER SOLUBILITY:** Yes  
**% VOLATILES:** 50%  
**EVAPORATION RATE:** Approx. 0.02, Butyl Acetate = 1.0  
**COEFFICIENT WATER/OIL:** N/A

**Section #10: STABILITY AND REACTIVITY**

**STABILITY:** Stable  
**STABILITY CONDITIONS TO AVOID:** Extreme Heat or Cold  
**REACTIVITY:** Flammable, but unreactive  
**REACTIVITY CONDITIONS TO AVOID:** Strong oxidizing agents & inorganic acids

**Section #11: TOXICOLOGICAL INFORMATION**

**ACUTE HEALTH HAZARDS:**

**ACUTE ORAL:** Lethal for humans, 1.6g/kg (ethylene glycol)  
**COMPONENTS:** N/A

**Section #12: ECOLOGICAL INFORMATION**

**GENERAL:** Contains Ethylene Glycol

**Section #13: DISPOSAL INFORMATION**

**WASTE DISPOSAL:** Comply with State and/or Federal regulations  
**RCRA HAZARDOUS WASTE:** Some RCRA hazardous waste, methyl alcohol

**Section #14: TRANSPORTATION INFORMATION**

**DOT HAZARD CLASS:** 9  
**PROPER SHIPPING NAME:** Other Regulated Substances, contains Ethylene Glycol  
**IDENTIFICATION NUMBER:** NA 3082  
**TDGA:** N/A  
**Packing Group:** III

**Section #15: REGULATORY INFORMATION**

**TSCA STATUS:** All ingredients listed on the TSCA inventory

**WHMIS CLASSIFICATION:** Not known

**SARA Title 111:** Ethylene Glycol, methyl alcohol

**HMIS CODE:** Health 1, Flammability 1, Reactivity 0

**Section #16: OTHER INFORMATION**

The information contained in this Material Safety Data Sheet (MSDS) document is believed to be accurate and reliable. Because it is impossible to anticipate all conditions of use, some additional safety precautions may be required. *LAPMASTER INTERNATIONAL, LLC, MAKES NO REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.* Each user should read and understand the information provided and incorporate it into their individual site safety programs as required by applicable hazard communication standards and regulations.

**ABBREVIATIONS:**

<b>ACGIG</b>	<b>American Conference of Governmental Industrial Hygienists</b>
<b>CAS</b>	<b>Chemical Abstracts Service</b>
<b>EPA</b>	<b>Environmental Protection Agency</b>
<b>PEL</b>	<b>Permissible Exposure Limit</b>
<b>PPE</b>	<b>Personal Protective Equipment</b>
<b>EPRCA 313</b>	<b>Emergency Planning &amp; Community Right-to-Know Act, Section 313</b>
<b>WHIMIS</b>	<b>Canadian Workplace Hazardous Material Information System</b>
<b>OSHA</b>	<b>Occupational Health and Safety Administration</b>