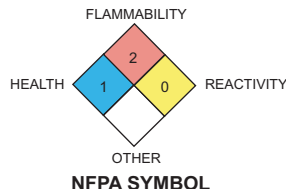


Health	1
Flammability	2
Reactivity	0
PPE	B

# MATERIAL SAFETY DATA SHEET

## 12/34 BULK



HMIS SYMBOL

### SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: **12/34 Bulk**  
 Chemical Family: Mixture  
 Use: Penetrant and lubricant.  
 Manufacturer/Supplier: Jet-Lube of Canada Ltd.  
 3820 - 97 Street  
 Edmonton, Alberta Canada T6E 5S8  
 Phone: (780) 463-7441 Fax: (780) 463-7454  
 CCOHS: 1-800-263-8466

#### Emergency:

CANUTEC Phone: (613) 996-6666 Cellular: \*666 TTY/TDD: 1-888-675-6863

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Petroleum Distillate
CAS No	8052-41-3
Wt. %	40 -70
OSHA PEL	2900 mg/m <sup>3</sup>
ACGIH TLV	525 mg/m <sup>3</sup>
LD50 (dermal, rabbit)	>3 g/kg
LC50 (rat)	8.2 mg/L (8-hr. exposure)
Other	N/A

### SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, ingestion, inhalation, skin  
 Eyes: May cause irritation.  
 Ingestion: May cause diarrhea if ingested.  
 Inhalation: May cause dizziness, nausea.  
 Skin: May cause possible rash for persons with hypersensitivity.

### SECTION 4 - FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.  
 Ingestion: Do not induce vomiting. Wash out mouth. Contact a physician immediately.  
 Inhalation: Remove to fresh air. If respiratory difficulty persists, seek medical help.  
 Skin: Remove by wiping or with a waterless hand cleaner, followed by washing with soap and water.

### SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Flammable.  
 Extinguishing Media: Foam, dry chemical, halon, carbon dioxide, sand, earth or water mist.  
 Flash Point (COC): 42°C (108°F)  
 Explosive Properties: LEL - 0.9% UEL - 7%  
 Autoignition Temperature: 232°C (450°F)  
 Hazardous Combustion Products: Oxides of carbon, smoke and irritating vapors as products of incomplete combustion.  
 Protective Equipment: Self-contained breathing apparatus.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Scoop up excess, then wipe down the affected area and pick up residue with diatomaceous earth to avoid a walking hazard.  
 Environmental Precautions: Do not allow to enter drains.

### SECTION 7 - HANDLING AND STORAGE

Handling Procedures: No special handling precautions necessary. Do not pressurize, cut, heat or weld empty containers.  
 Storage Requirements: Store in a cool, well ventilated place. Keep containers closed when not in use.  
 Engineering Controls: If user's operation generates vapors or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Make up air should always be supplied to balance air removed by exhaust ventilation. Ensure eyewash station and safety shower are close to work station.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection Equipment (PPE's)  
 Respiratory Protection: Breathing apparatus in confined space areas. Gas mask with organic vapor canister. Note: Air purifying respirators do not protect against oxygen-deficient atmospheres.  
 Hand Protection: Protective gloves for hypersensitive persons. Recommended (resistance to breakthrough longer than 8 hours): Nitrile rubber.  
 Eye Protection: Protective glasses if applied to moving parts.  
 Body Protection: Protective overalls.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Fluid  
 Odour: Petroleum  
 Odour Threshold: Not Determined  
 Specific Gravity: 0.80  
 Vapor Pressure: <0.05 kPa  
 Vapor Density: Not Determined  
 Boiling Point: 150°C (300°F)  
 Freezing Point: Not Determined  
 pH: Neutral  
 Melting Point: N/A  
 Density: 0.80 kg/L  
 Evaporation Rate (Butyl Acetate = 1.0): <0.01

### SECTION 10 - STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions.  
 Photoreactive Agents: None  
 Conditions to Avoid: Powerful sources of ignition, extreme temperatures.  
 Materials to Avoid: Strong acids and oxidizing agents.  
 Hazardous Decomposition Products: May release CO<sub>x</sub>, smoke and irritating vapors when heated to decomposition.

### SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure Limit of Material: See Section 2  
 LC50 of Ingredients, Species and Routes: See Section 2  
 LD50 of Ingredients, Species and Routes: See Section 2  
 Teratogenicity, Embryotoxicity and/or Fetotoxicity: Not Available  
 Mutagenicity: Not Available  
 Effects of Long-Term (Chronic) Exposure: Long term dermal application may produce possible skin irritation. Elevated temperatures or mechanical action may form vapors or fumes. Inhalation of oil mists or vapors from hot oil may cause irritation of the upper respiratory tract.

Carcinogen NTP: No IARC: No OSHA: No

### SECTION 12 - ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions that could act as a marine pollutant, but is highly unlikely.  
 Behavior: Relatively well behaved. Bioaccumulation potential almost nil.  
 Environmental Fate: Will float and spread across water making it a nuisance contaminant.

### SECTION 13 - DISPOSAL CONSIDERATIONS

Consult federal, provincial and local regulations for disposal of petroleum products.

### SECTION 14 - TRANSPORT INFORMATION

TDG (Canada): The mixture is not specifically listed in the Canadian Transportation of Dangerous Goods regulations. Mixture contains hazardous components.  
 Shipping Name: FLAMMABLE LIQUID, N.O.S. (Stoddard Solvent)  
 UN No.: UN 1993  
 Packing Group: III  
 Classification: Class 3, Flammable Liquid  
 Labelling Requirements: Limited Quantities label for containment less than LQI of 6 L net contents per containment. Class 3 label if >6 L net contents per containment or large containment.  
 Placard Requirements: Limited Quantities - None Required  
 Large Containment (above 500 kg gross mass) - Class 3

### SECTION 15 - REGULATORY INFORMATION

WHMIS: Classes B, Division 3  
 DSL: All components listed.  
 CPR Compliance: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations. The MSDS contains all of the information required by these regulations.

### SECTION 16 - OTHER INFORMATION

CPR - Controlled Product Regulations  
 DSL - Domestic Substance List  
 LQI - Limited Quantity Index

As of issue date, the information contained herein is accurate and reliable to the best of Jet-Lube of Canada Ltd.'s knowledge. Jet-Lube of Canada Ltd. does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the users' responsibility to satisfy themselves that the information offered for their consideration is suitable for their particular use.

Prepared By: **Jet-Lube of Canada Ltd. - Laboratory**  
 Last Date of Revision: **February 27, 2007**