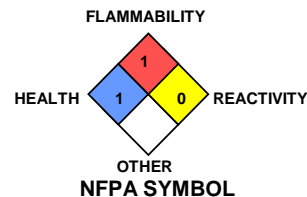


Health	1
Flammability	1
Reactivity	0
PPI	B

# MATERIAL SAFETY DATA SHEET

## Jet-Lube 550®



### HMIS SYMBOL

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Jet-Lube 550®**  
 Chemical Family: Complex grease base  
 Use: Thread lubricant and sealant  
 Manufacturer/Supplier: Jet-Lube of Canada Ltd.  
 3820 – 97 Street NW  
 Edmonton, Alberta  
 Canada T6E 5S8  
 Phone: (780) 463-7441 Fax: (780) 463-7454  
 CCOHS: 1-800-668-4284

#### Emergency:

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

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	<u>Molybdenum Disulphide</u>	<u>Zinc Oxide</u>	<u>Limestone</u>	<u>Graphite</u>
CAS NO.	1317-33-5	1314-13-2	1317-65-3	7782-42-5
WT %	1 – 5	10 - 15	5 - 10	5 - 10
OSHA PEL	15mg/m <sup>3</sup> (inhalable fractions)	2 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
ACGIH TLV	10mg/m <sup>3</sup> (inhalable fractions)	15 mg/m <sup>3</sup>	Not Available	Not Available
LD50	>6g/kg (oral, rat)	7950 mg/kg (unconfirmed, oral, mouse)	Not Available	Not Available
LC50	Not Available	2500 mg/m <sup>3</sup> (unconfirmed, mouse)	Not Available	Not Available

### SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, Inhalation, Ingestion, Skin  
 Eyes: May cause irritation to eyes.  
 Inhalation: Viscous nature may block breathing passages if inhaled.  
 Ingestion: May cause diarrhea if ingested.  
 Skin: May cause irritation after prolonged skin exposure, especially for persons with hyper sensitivity.

### 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.  
 Skin: Remove by wiping or with a waterless hand cleaner, followed by washing with soap and water.  
 Inhalation: Clear air passage. If breathing difficulty continues seek medical help.

### SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Nil at ambient temp  
 Extinguishing Media: Use dry chemicals, foam, halon, CO<sub>2</sub>.  
**DO NOT** use Water Jet.  
 Flash Point (OC): >221°C (430°F)  
 Flammable Limits: Lower – 0.9% Upper – 7%  
 Explosive Properties: LEL – 0.9% UEL - 7%  
 Auto-ignition Temp: >260°C (500°F)  
 Explosive Data: Sensitivity to Impact – Not Available  
 Sensitivity to Static Discharge – Not Available  
 Hazardous Combustion Products: Oxides of carbon, smoke and irritating vapors as products of incomplete combustion.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: **SEE SECTION 2 – Composition of Ingredients for Information**  
 Engineering Controls: If user's operation generates vapors or mists, 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.  
 Personal Protective Equipment (PPE's):  
 Respiratory Protection: None required.  
 Hand Protection: Protective gloves for hypersensitive persons.  
 Eye Protection: Protective glasses if applied to moving parts.  
 Body Protection: Protective overalls.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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Odor/Appearance:	Light Petroleum/Blue	Physical State:	Paste
Odor Threshold:	Not Available	Specific Gravity, Typical:	1.19
Vapor Pressure:	<0.01 kPa	Vapor Density:	Not Available
Boiling Point:	Not Available	Melting Point:	260°C (500°F)
pH:	Neutral	Freezing Point:	Not Available
Evaporation Rate (Butyl Acetate = 1.0):	<0.01	Density, Typical:	1.19 g/cm <sup>3</sup>
Coefficient of Water/Oil Distribution:	Not Available		

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**SECTION 10 - STABILITY AND REACTIVITY**

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Stability: Chemically stable under normal conditions. No photoreactive agents.

Conditions to Avoid: Powerful sources of ignition and extreme temperatures.

Materials to Avoid: Strong acids, reactive and oxidizing agents.

Hazardous Decomposition Products: May release CO<sub>x</sub>, smoke and irritating vapors when heated to decomposition.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

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Effects of Short-Term (Acute) Exposure: Product does not present an acute toxicity hazard based on known or supplied information.

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 may cause irritation of the upper respiratory tract.

Irritancy of Product: Not Available

Skin Sensitization: Not Available

Respiratory Sensitization: Not Available

Carcinogen: IARC: Not Available ACGIH: Not Available

Reproductive Toxicity: Not Available

Teratogenicity: Not Available

Embryotoxicity: Not Available

Mutagenicity: Not Available

Name of Synergistic Products/Effects: Not Available

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**SECTION 12 - ECOLOGICAL INFORMATION**

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Possible Effects: May generate oil fractions that could act as a marine pollutant, but is highly unlikely.

Behavior: Bioaccumulation potential almost nil.

Environmental Fate: Highly unlikely to cause notable contamination. Non-toxic to land and marine organisms.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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

Do not incinerate.

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**SECTION 14 - TRANSPORT INFORMATION**

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**UN No.:** UN3082

**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s. Hazard Class 9 Packing Group III

**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide), 9, III, Marine Pollutant

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**SECTION 15 -REGULATORY INFORMATION**

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WHMIS: Not Available

DSL: All components listed

CPR Compliance: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by those regulations.

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**SECTION 16 - OTHER INFORMATION**

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CPR - Controlled Product Regulations

DSL - Domestic Substance List

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:** November 26, 2015