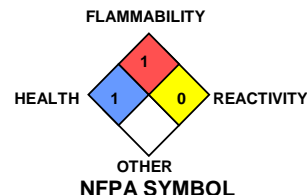


|              |   |
|--------------|---|
| Health       | 1 |
| Flammability | 1 |
| Reactivity   | 0 |
| PPI          | B |

# MATERIAL SAFETY DATA SHEET

## WHITE LITHIUM GREASE - Bulk



### HMIS SYMBOL

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **WHITE LITHIUM GREASE Bulk**  
 Chemical Family: Mixture  
 Use: Petroleum based lubricating grease  
 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 | Zinc Oxide              | Titanium Dioxide             |
|----------------------|-------------------------|------------------------------|
| CAS NO.              | 1314-13-2               | 13463-67-7                   |
| WT %                 | 5 - 10                  | 0.5 – 1.5                    |
| OSHA PEL             | 15mg/m <sup>3</sup>     | 15mg/m <sup>3</sup>          |
| ACGIH TLV            | 10mg/m <sup>3</sup>     | 10mg/m <sup>3</sup>          |
| LD50                 | 7950mg/kg (oral, mouse) | 10000 mg/kg (oral, mouse)    |
| LC50                 | Not Available           | 6820 mg/m <sup>3</sup> (rat) |

### 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>  
 Flash Point (OC): >221°C (430°F)  
 Flammable Limits: Upper (Not Available) Lower (Not Available)  
 Explosive Properties: LEL – 0.9% UEL - 7%  
 Auto-ignition Temp: >260°C (500°F)  
 Explosion 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.  
 Protective Equipment: Self-contained breathing apparatus.

### 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: | ACGIH                | OSHA                 |
|------------------|----------------------|----------------------|
| Zinc Oxide       | 10 mg/m <sup>3</sup> | 15 mg/m <sup>3</sup> |
| Titanium Dioxide | 10 mg/m <sup>3</sup> | 15 mg/m <sup>3</sup> |

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.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|   |                        |  |
|---|------------------------|--|
| Physical State:                         | Paste                  | Odor/Appearance: Light Petroleum/White |
| Odor Threshold:                         | Not Available          | Specific Gravity (Typical): 0.95       |
| Vapor Pressure:                         | <0.01 kPa              | Vapor Density: Not Available           |
| Boiling Point:                          | <316°C (600°F)         | Melting Point: 200°C (392°F)           |
| pH:                                     | Neutral                | Freezing Point: Not Available          |
| Density (Typical):                      | 0.95 g/cm <sup>3</sup> |  |
| Evaporation Rate (Butyl Acetate = 1.0): | <0.01                  |  |

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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 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: Mild toxicity.  
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 known.  
Skin Sensitization: Not Known  
Respiratory Sensitization: Not Available.  
Carcinogenicity: IARC: No ACGIH: No  
Reproductive Toxicity: Not Available Teratogenicity: Not Available Embryotoxicity: Not Available Mutagenicity: Not Available  
Name of Synergistic Product/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: Relatively well behaved. Bioaccumulation potential almost nil.  
Environmental Fate: Product will float and spread across water, making it a nuisance contaminant.

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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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TDG (Canada): The mixture is not specifically listed in the Canadian Transportation of Dangerous Goods regulations.  
Land & Rail: Not Regulated  
Marine: Not Regulated  
Shipping Name: Not Applicable  
UN No.: Not Applicable  
Packing Group: Not Applicable  
Classification: Not Applicable  
Labeling Requirements: Not Applicable  
Placard Requirements: Not Applicable

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**SECTION 15 -REGULATORY INFORMATION**

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WHMIS: Not Regulated  
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: June 16, 2016**