

# Material Safety Data Sheet

<b>Revision Date</b> October 17, 2013	<b>Prepared by</b> Bianca Clark	<b>Technical Information</b> 1-800-201-8822 or <a href="mailto:support@mgchemicals.com">support@mgchemicals.com</a>
<b>Head Office</b> 9347 - 193 Street, Surrey, B.C., V4N 4E7		<b>Emergency</b> Phone Canutech (613) 996-6666 Collect 24 hrs

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## Section 1: Product Identification

**MSDS Code: 8461** **Name: Lithium Grease**

**Related Part Numbers: 8461-85ML, 8461-1P**

Use: Multi-purpose lubricant.

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
7620-77-1	Lithium soap	5-8%	N/E	N/E	N/E
64741-88-4	Mineral oils	80-90%	N/E	N/E	N/E
1314-13-2	Zinc oxide	3-7%	N/E	N/E	N/E

## Section 3: Hazards Identification

**Eyes:** May cause mild irritation.  
**Skin:** May cause mild irritation.  
**Inhalation:** Unlikely route of entry  
**Ingestion:** May cause irritation.  
**Chronic:** None known

## Section 4: First Aid Measure

**Eyes:** Remove contact lenses. Flush with plenty of water. Get medical aid if irritation persists.  
**Skin:** Wash skin with soap and water.  
**Inhalation:** Remove from exposure to fresh air.  
**Ingestion:** Do not induce vomiting. Get medical attention.

## Section 5: Fire Fighting Measures

**Autoignition Temperature:** 185°C/365°F **Flash Point:** 163°C/325°F **LEL / UEL:** N/A  
**Extinguishing Media:** All standard extinguishing media.  
**General Information:** Water may cause frothing.

## Section 6: Accidental Release Measures

**Spill Procedure:** Wipe, scrape, or soak up in an inert material. Wash spill area with soap and water.

## Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes.  
**Storage:** Store in a cool, dry, well-ventilated area. Keep container closed.

## Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.  
**Ventilation:** Use adequate or local exhaust ventilation to keep airborne concentrations before exposure limits.  
**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Liquid	<b>Odor:</b>	None	<b>Solubility:</b>	Insoluble	<b>Evaporation Rate:</b>	N/A
<b>Boiling Point:</b>	371°C/700°F	<b>Specific Gravity:</b>	0.90	<b>Vapor Pressure:</b>	N/A	<b>Vapor Density:</b>	N/A pH: N/A

## Section 10: Stability and Reactivity

**Stability:** Stable at normal temperatures and pressures.  
**Conditions to avoid:** Excessive heat or flames, incompatible substances.  
**Incompatibilities:** Oxidizing agents  
**Polymerization:** Will not occur.  
**Decomposition:** Carbon monoxide, carbon dioxide.

## Section 11: Toxicological Information

**Sensitization:** (effects of repeated exposure) Not known to.  
**Carcinogenicity:** (risk of cancer) The ingredients of this product are not classified as being carcinogenic by ACGIH (American Conference of Governmental industrial Hygienists) or IARC (International Agency for Research on Cancer), not regulated as carcinogens by OSHA (Occupational Safety and Health Administration), and not listed as carcinogens by NTP (National Toxicology Program)  
**Teratogenicity:** (risk of malformation in an unborn fetus) No  
**Reproductive Toxicity:** (risk of sterility) No

<b>Lethal Exposure Concentrations:</b>	<b>Ingestion (LD50):</b>	<b>Inhalation (LC50):</b>	<b>Skin (LD50):</b>	<b>Inhalation (TCLo):</b>
Lithium soap	N/A	N/A	N/A	N/A
Mineral oils	N/A	N/A	N/A	N/A
Zinc oxide	7950 mg/kg Mouse	2500 mg/m <sup>3</sup> Mouse	N/A	25 mg/m <sup>3</sup> /3H Rat

**Mutagenicity:** (risk of heritable genetic effects) No

## Section 12: Ecological Information

**General Information:**  
 Volatile Organic Compounds, % by weight:  
 Volatile Organic Compounds, grams per litre:

## Section 13: Disposal Information

**General Information:** Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

## Section 14: Transportation Information

**Ground:**

Not regulated.

**Air:**

Not regulated.

**Sea:**

Not regulated.

## Section 15: Regulatory Information

### CANADA

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

**DSL**

All ingredients in this product are listed on the Domestic Substances List

**Health Canada**

Products produced by MG Chemicals intended for retail display conform to the Canadian Consumer Labeling regulations.

**Industry and Science Canada**

MG Labels products intended for the workplace to conform to WHMIS labeling regulations. Product identification, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance.

**WHMIS**

This product belongs to the following categories: **D2B**

**CAA** (Clean Air Act, USA)

This product does not contain any class 1-ozone depleters.

This product does not contain any class 2-ozone depleters.

This product does not contain any chemicals listed as hazardous air pollutants.

### USA

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

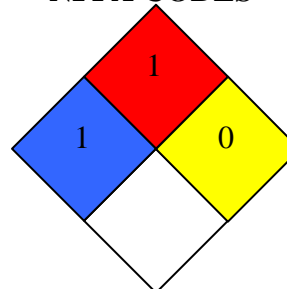
**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain chemicals known to the state to cause reproductive toxicity and cancer respectively.

### HMIS RATING

<b>HEALTH:</b>	1
<b>FLAMMABILITY:</b>	1
<b>PHYSICAL HAZARD:</b>	0
<b>PERSONAL PROTECTION:</b>	

### NFPA CODES



### EUROPE

**RoHS**

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, and complies with European RoHS regulations.

**WEEE**

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

## Section 16: Other Information

**Definitions:** N/A = not applicable, N/E = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.