

Material Safety Data Sheet

Revision Date April 17, 2008	Prepared by Patti Rogers	Technical Information 1-800-201-8822 or support@mgchemicals.com
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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 PeI	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

WHMIS Codes: D2B

NFPA Ratings: Health 1 Flammability 1 Reactivity 0

HMIS Ratings: Health 1 Flammability 1 Reactivity 0

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

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

Mutagenicity: (risk of heritable genetic effects) No

Lethal Exposure Concentrations:	Ingestion (LD50):	N/e	Inhalation (LC50):	N/e	Skin (LD50):	N/e
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Section 12: Ecological Information

General Information: Avoid runoff into storms and sewers, which lead into waterways. Water runoff can cause environmental damage.

Environmental Impact Data: (percentage by weight)

CFC: 0

HFC: 0

Cl.Solv: 0

VOC: 0

HCFC: 0

ODP: 0

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:

Shipper must be trained and certified. Refer to IATA Dangerous Goods Regulations.

UN Number: None

UN Pack Group: Not applicable

UN Class: Non hazardous

ICAO/IATA: Non hazardous

IMDG Class: Non hazardous

Shipping Name: Non hazardous

Sea:

Not regulated.

Section 15: Regulatory Information

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.

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

This product contains Zinc oxide CAS# 1314-13-2 (3-7%), a toxic chemical subject to the reporting requirements.

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

This product does contains Zinc Oxide CAS# 1314-13-2 (3-7%) a toxic chemical 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.

CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

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

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

This product does not contain any chemicals listed.

Health Canada

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.



Section 15: Regulatory Information cont'd.

Environment Canada

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act

This product does not contain any ozone depleting substances.

Industry and Science Canada

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

RoHS (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

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.