

SUC 200 - 3310



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Lithium General Purpose Grease  
**Product Number (s):** SL3310, SL3311, SL3315, SL3317, 73310, 8SL3310  
**Product Use:** Lubricating grease

### Manufacturer / Supplier Contact Information:

<u>In United States:</u> CRC Industries, Inc. 885 Louis Drive Warminster, PA 18974 <a href="http://www.crcindustries.com">www.crcindustries.com</a> 1-215-674-4300 (General) (800) 521-3168 (Technical) (800) 272-4620 (Customer Service)	<u>In Canada:</u> CRC Canada Co. 2-1246 Lorimar Drive Mississauga, Ontario L5S 1R2 <a href="http://www.crc-canada.ca">www.crc-canada.ca</a> 1-905-670-2291	<u>In Mexico:</u> CRC Industries Mexico Av. Benito Juárez 4055 G Colonia Orquídea San Luís Potosí, SLP CP 78394 <a href="http://www.crc-mexico.com">www.crc-mexico.com</a> 52-444-824-1666
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24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

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## Section 2: Hazards Identification

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### Emergency Overview

As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.  
Appearance & Odor: Amber semi-solid to solid grease with a faint petroleum odor

### Potential Health Effects:

#### ACUTE EFFECTS:

EYE: May cause irritation.

SKIN: Repeated or prolonged contact can result in drying of the skin.

INHALATION: Heating can generate vapors that may cause respiratory irritation, nausea, and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product.

INGESTION: Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

CHRONIC EFFECTS: Unknown

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: skin or respiratory conditions

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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### Section 3: Composition/Information on Ingredients

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COMPONENT	CAS NUMBER	% by Wt.
Refined heavy naphthenic distillates	64741-96-4 / 64742-52-5	85 - 95
Lithium 12-hydroxystearate	7620-77-1	3 - 7

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### Section 4: First Aid Measures

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**Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

**Skin Contact:** Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

**Inhalation:** Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

**Ingestion:** Do not induce vomiting. Seek medical attention.

**Note to Physicians:** Treat symptomatically.

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### Section 5: Fire-Fighting Measures

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**Flammable Properties:** As defined by OSHA, this product is nonflammable.

Flash Point: 450°F (COC)  
Autoignition Temperature: ND

Upper Explosive Limit: ND  
Lower Explosive Limit: ND

**Fire and Explosion Data:**

**Suitable Extinguishing Media:** CO<sub>2</sub>, dry chemical, sand, dolomite, alcohol resistant foam, water spray

**Products of Combustion:** Oxides of carbon

**Explosion Hazards:** Containers, when exposed to heat from fire, may build pressure and rupture.

**Protection of Fire-Fighters:** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition. Avoid water in straight hose stream as it will scatter and spread fire.

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### Section 6: Accidental Release Measures

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**Personal Precautions:** Use personal protection recommended in Section 8. Minimize skin contact

**Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains. Advise authorities if product has entered waterways.

**Methods for Containment & Clean-up:** Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Wipe up spilled material. Place used absorbents into proper waste containers.

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## Section 7: Handling and Storage

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**Handling Procedures:** Keep container away from heat, sparks, and open flame. High temperatures may produce irritating vapors. Eye wash station should be available at work place. Keep containers closed when not in use. Ventilate well, especially in warmer environments. For product use instructions, please see the product label.

**Storage Procedures:** Store in a cool dry area out of direct sunlight. Containers should be tightly closed while in storage. Store separated from acids, and oxidizing materials. Store away from sparks and open flame.

**Aerosol Storage Level:** NA

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## Section 8: Exposure Controls/Personal Protection

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### Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Refined naphthenic distillate	5*	NE	5*	10*	NE		mg/m <sup>3</sup>
Lithium 12-hydroxystearate	NE	NE	NE	NE	NE		
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated      * – oil mist							

### Controls and Protection:

**Engineering Controls:** Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

**Respiratory Protection:** None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.

**Eye/face Protection:** For normal conditions, wear safety glasses.

**Skin Protection:** Use protective gloves such as neoprene or nitrile. Also, use full protective clothing if there is prolonged or repeated contact of material with skin.

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## Section 9: Physical and Chemical Properties

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**Physical State:** semi-solid grease

**Color:** amber

**Odor:** mild petroleum

**Odor Threshold:** ND

**Specific Gravity:** 0.90 @ 60°F

**Initial Boiling Point:** ND

**Freezing Point:** ND

**Vapor Pressure:** < 0.1 mmHg @ 68°F

**Vapor Density:** > 5 (air = 1)

**Evaporation Rate:** very slow

**Solubility:** insoluble in water

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Coefficient of water/oil distribution: ND

pH: NA

Volatile Organic Compounds: wt %: < 0.1      g/L: < 0.9      lbs./gal: < 0.01

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## Section 10: Stability and Reactivity

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Stability: Stable

Conditions to Avoid: Heat

Incompatible Materials: Avoid contact with acids and oxidizing substances.

Hazardous Decomposition Products: Oxides of carbon

Possibility of Hazardous Reactions: No

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## Section 11: Toxicological Information

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Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

### Acute Toxicity:

<u>Component</u>	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rabbit)</u>	<u>Inhalation LC50 (rat)</u>
Refined naphthenic distillate	> 5000 mg/kg	> 2000 mg/kg	2.18 mg/L/4H
Lithium 12-hydroxystearate	No data	No data	No data

### Chronic Toxicity:

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Refined naphthenic distillate	No	No	No	Unknown	Unknown
Lithium 12-hydroxystearate	No	No	No	Unknown	Unknown

E – Eye      S – Skin      R - Respiratory

Reproductive Toxicity: No information available

Teratogenicity: No information available

Mutagenicity: No information available

Synergistic Effects: No information available

Other: Naphthenic distillates: Base oils of this product contain < 3% DMSO  
Extractable total polycyclic aromatic compound (PAC)  
per IP 346.

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## Section 12: Ecological Information

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Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: Naphthenic distillates: 48 Hr EC50 Daphnia magna: >1000 mg/L

Persistence / Degradability: No information available

Bioaccumulation / Accumulation: No information available

Mobility in Environment: No information available

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## Section 13: Disposal Considerations

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**Waste Classification:** This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

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## Section 14: Transport Information

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US DOT (ground): Not Regulated

ICAO/IATA (air): Not Regulated

IMO/IMDG (water): Not Regulated

Special Provisions: None

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## Section 15: Regulatory Information

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### U.S. Federal Regulations:

#### Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

#### Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

#### Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:	Fire Hazard	No
	Reactive Hazard	No
	Release of Pressure	No
	Acute Health Hazard	No
	Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances 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:  
None

#### Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

### U.S. State Regulations:

#### California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None

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Consumer Products VOC Regulations: This product is not regulated.

State Right to Know:

New Jersey: None  
Pennsylvania: None  
Massachusetts: None  
Rhode Island : None

Canadian Regulations:

Controlled Products Regulations:

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

WHMIS Hazard Class: None

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

European Union Regulations:

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

Additional Regulatory Information: None

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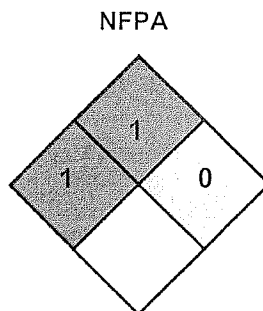
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## Section 16: Other Information

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HMIS® (II)	
Health:	1
Flammability:	1
Reactivity:	0
PPE:	B



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By: Michelle Rudnick  
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Changes since last revision: Part number added

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

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ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Service  
CFR: Code of Federal Regulations  
DOT: Department of Transportation  
DSL: Domestic Substance List  
g/L: grams per Liter  
HMIS: Hazardous Materials Identification System  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
IMDG: International Maritime Dangerous Goods  
IMO: International Maritime Organization  
lbs./gal: pounds per gallon

LC: Lethal Concentration  
LD: Lethal Dose  
NA: Not Applicable  
ND: Not Determined  
NIOSH: National Institute of Occupational Safety & Health  
NFPA: National Fire Protection Association  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PMCC: Pensky-Martens Closed Cup  
PPE: Personal Protection Equipment  
ppm: Parts per Million  
RoHS: Restriction of Hazardous Substances  
STEL: Short Term Exposure Limit  
TCC: Tag Closed Cup  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Information System