



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Driller Red Grease

**Product Number (s):** 73640, 73650

**Product Use:** Lubricating grease

**Manufacturer / Supplier Contact Information:**

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

[www.crcindustries.com](http://www.crcindustries.com)

1-215-674-4300 (General)

(800) 521-3168 (Technical)

(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.

2-1246 Lorimar Drive

Mississauga, Ontario L5S 1R2

[www.crc-canada.ca](http://www.crc-canada.ca)

1-905-670-2291

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

**CAUTION:** May Cause Eye and Skin Irritation.

Appearance & Odor: Red semi-solid to solid grease with a faint petroleum odor

**Potential Health Effects:**

**ACUTE EFFECTS:**

**EYE:** May cause irritation including redness and burning.

**SKIN:** Prolonged or repeated contact can cause irritation, redness and defatting of the skin.

**INHALATION:** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**INGESTION:** Can cause stomach ache and vomiting.

**CHRONIC EFFECTS:** Unknown

**TARGET ORGANS:** None known

**Medical Conditions Aggravated by Exposure:** Skin conditions

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

**Product Name: Driller Red Grease**  
**Product Number (s): 73640, 73650**

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### Section 3: Composition/Information on Ingredients

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COMPONENT	CAS NUMBER	% by Wt.
Hydrotreated heavy naphthenic distillates	64742-52-5	60 – 70
Antimony dithiocarbamate	15890-25-2	1 – 10
Lithium hydroxide solution	1310-66-3	1 – 10
Residual oils (petroleum)	64742-01-4	1 – 10

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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:** This product is nonflammable.  
Flash Point: 302°F / 150°C (COC) Upper Explosive Limit: ND  
Autoignition Temperature: 500°F / 260°C Lower Explosive Limit: ND

**Fire and Explosion Data:**

**Suitable Extinguishing Media:** CO2, dry chemical, sand, dolomite, alcohol resistant foam, water spray

**Products of Combustion:** Oxides of carbon, sulfur, phosphorus, nitrogen or zinc. Acrid smoke/fumes.

**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

**Product Name: Driller Red Grease**  
**Product Number (s): 73640, 73650**

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 stations 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	
Hydrotreated heavy naphthenic distillate	5*	NE	5*	10*	NE		mg/m <sup>3</sup>
Antimony dithiocarbamate	0.5	NE	0.5	NE	NE		mg/m <sup>3</sup>
Lithium hydroxide solution	NE	NE	NE	NE	NE		
Residual oils (petroleum)	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 nitrile or polyvinyl chloride (PVC). 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

**Product Name: Driller Red Grease**  
**Product Number (s): 73640, 73650**

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Color: red  
Odor: mild petroleum  
Odor Threshold: ND  
Specific Gravity: 0.93  
Initial Boiling Point: 680 °F / 360 °C  
Freezing Point: ND  
Vapor Pressure: < 0.01 mmHg @ 68°F / 20°C  
Vapor Density: > 10 (air = 1)  
Evaporation Rate: slow  
Solubility: insoluble in water  
Coefficient of water/oil distribution: ND  
pH: NA  
Volatile Organic Compounds: wt %: ND g/L: ND lbs./gal: ND

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## Section 10: Stability and Reactivity

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Stability: Stable

Conditions to Avoid: None

Incompatible Materials: Avoid contact with acids and oxidizing substances.

Hazardous Decomposition Products: Oxides of carbon, sulfur, phosphorus, nitrogen or zinc.

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>
Hydrotreated heavy naphthenic distillate	> 5000 mg/kg	> 2000 mg/kg	2.18 mg/L/4H
Antimony dithiocarbamate	No data	No data	No data
Lithium hydroxide solution	No data	No data	No data
Residual oils (petroleum)	> 5000 mg/kg	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>
Hydrotreated heavy naphthenic distillate	No	No	No	Unknown	Unknown
Antimony dithiocarbamate	No	No	No	Unknown	Unknown
Lithium hydroxide solution	No	No	No	Unknown	Unknown
Residual oils (petroleum)	No	No	No	Unknown	Unknown

Reproductive Toxicity: No information available

Teratogenicity: No information available

Mutagenicity: No information available

**Product Name: Driller Red Grease**  
**Product Number (s): 73640, 73650**

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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 hazardous waste.  
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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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

**Product Name: Driller Red Grease**  
**Product Number (s): 73640, 73650**

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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:  
Antimony dithiocarbamate

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): 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: D2B

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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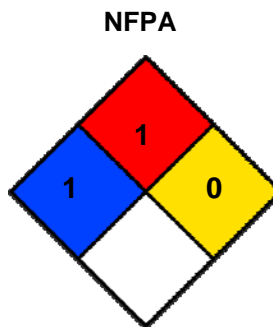
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## Section 16: Other Information

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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  
CRC #: WOC-001  
Revision Date: 10/9/2015

Changes since last revision: new product

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.

**Product Name: Driller Red Grease**  
**Product Number (s): 73640, 73650**

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ACGIH: American Conference of Governmental Industrial Hygienists	NA: Not Applicable
CAS: Chemical Abstract Service	ND: Not Determined
CFR: Code of Federal Regulations	NIOSH: National Institute of Occupational Safety & Health
DOT: Department of Transportation	NFPA: National Fire Protection Association
DSL: Domestic Substance List	NTP: National Toxicology Program
g/L: grams per Liter	OSHA: Occupational Safety and Health Administration
HMIS: Hazardous Materials Identification System	PMCC: Pensky-Martens Closed Cup
IARC: International Agency for Research on Cancer	PPE: Personal Protection Equipment
IATA: International Air Transport Association	ppm: Parts per Million
ICAO: International Civil Aviation Organization	RoHS: Restriction of Hazardous Substances
IMDG: International Maritime Dangerous Goods	STEL: Short Term Exposure Limit
IMO: International Maritime Organization	TCC: Tag Closed Cup
lbs./gal: pounds per gallon	TWA: Time Weighted Average
LC: Lethal Concentration	WHMIS: Workplace Hazardous Materials Information System
LD: Lethal Dose	