



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Red Grease  
**Product Number (s):** 03079  
**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

In Mexico:  
CRC Industries Mexico  
Av. Benito Juárez 4055 G  
Colonia Orquídea  
San Luís Potosí, SLP CP 78394  
[www.crc-mexico.com](http://www.crc-mexico.com)  
52-444-824-1666

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

**DANGER:** Extremely Flammable. Harmful or Fatal if Swallowed. Contents Under Pressure.  
Appearance & Odor: Red, viscous grease, solvent odor

### Potential Health Effects:

#### ACUTE EFFECTS:

**EYE:** May cause moderate eye irritation and moderate corneal injury. Vapors may irritate eyes.

**SKIN:** Prolonged contact may cause irritation, defatting of the skin.

**INHALATION:** May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**INGESTION:** If aspirated (liquid enters the lungs), it may be rapidly absorbed through the lungs and result in injury to other body systems. Gastro-intestinal distress.

**CHRONIC EFFECTS:** Repeated and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**TARGET ORGANS:** Nervous system

**Medical Conditions Aggravated by Exposure:** Pre-existing skin 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.
Heptane	142-82-5	40 – 50
Hydrotreated heavy naphthenic distillates	64742-65-0	20 – 30
Hydrocarbon propellant	68476-85-7	10 – 20
Residual oils, petroleum	Mixture	3 – 10
Aluminum complex thickener	Proprietary	2 – 4
Antimony diamylthiocarbamate	15890-25-2	< 0.50

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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: Wipe material off with a towel. 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. Call a physician immediately.

*Note to Physicians:* Treat symptomatically.

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### Section 5: Fire-Fighting Measures

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**Flammable Properties:** This product is extremely flammable in accordance with aerosol flammability definitions. (See 16 CFR 1500.3(c)(6) ).

Flash Point: < 20°F / -7°C (TCC)	Upper Explosive Limit: 6.7
Autoignition Temperature: ND	Lower Explosive Limit: 1.2

#### **Fire and Explosion Data:**

Suitable Extinguishing Media: Carbon dioxide, foam, dry chemical

Products of Combustion: Oxides of carbon

Explosion Hazards: Aerosol containers, when exposed to heat from fire, may build pressure and explode. Vapors may accumulate in a confined space and create a flammable atmosphere.

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.

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### Section 6: Accidental Release Measures

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Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Remove all sources of ignition. Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

## **Section 7: Handling and Storage**

Handling Procedures: Do not use near open flames, heat, or any other sources of ignition. Vapors are heavier than air and will collect in low areas. Avoid breathing vapors. Avoid prolonged or repeated contact with the skin. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120°F / 49°C to prevent cans from rupturing.

Aerosol Storage Level: III

## **Section 8: Exposure Controls/Personal Protection**

### **Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Heptane	500	NE	400	500	NE		ppm
Hydrotreated heavy naphthenic distillate	5	NE	5	NE	NE		mg/m <sup>3</sup>
Hydrocarbon propellant	1000	NE	1000	NE	NE		ppm
Residual oils, petroleum	5	NE	5	NE	NE		mg/m <sup>3</sup>
Aluminum complex thickener	NE	NE	NE	NE	NE		
Antimony diamyldithiocarbamate	0.5	NE	0.5	NE	NE		mg/m <sup>3</sup>
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated							

### **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. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

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

## Section 9: Physical and Chemical Properties

Physical State: grease

Color: red

Odor: solvent

Odor Threshold: ND

Specific Gravity: 0.72

Initial Boiling Point: 175°F / 79°C

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: &gt; 1 (air = 1)

Evaporation Rate: fast (ether = 1)

Solubility: slight

Coefficient of water/oil distribution: ND

pH: NA

Volatile Organic Compounds: wt %: 63.0 g/L: 453.6 lbs./gal: 3.78

## Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Avoid any ignition sources. Avoid excessive heat.

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Oxides of carbon

Possibility of Hazardous Reactions: No

## Section 11: Toxicological Information

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

### Acute Toxicity:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Heptane	No data	No data	103 g/m <sup>3</sup> /4H
Hydrotreated heavy naphthenic distillate	No data	No data	No data
Hydrocarbon propellant	No data	No data	No data
Residual oils, petroleum	No data	No data	No data
Aluminum complex thickener	No data	No data	No data
Antimony diamylthiocarbamate	> 16,400 mg/kg	> 16,000 mg/kg	No data

### Chronic Toxicity:

Component	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen	Irritant E & R (mild) / S (moderate)	Sensitizer
Heptane	No	No	No	S (moderate)	Unknown
Hydrotreated heavy naphthenic dist	No	No	No	Unknown	Unknown
Hydrocarbon propellant	No	No	No	No	No
Residual oils, petroleum	No	No	No	Unknown	Unknown
Aluminum complex thickener	No	No	No	Unknown	Unknown
Antimony diamylthiocarbamate	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

## Section 12: Ecological Information

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

Ecotoxicity: No information available  
 Persistence / Degradability: No information available  
 Bioaccumulation / Accumulation: No information available  
 Mobility in Environment: No information available

## Section 13: Disposal Considerations

**Waste Classification:** The packaged liquid product is a RCRA hazardous waste for the characteristic of ignitability with a waste code of D001. The dispensed grease is not a hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
 Empty aerosol 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.

## Section 14: Transport Information

US DOT (ground): UN1950, Aerosols, flammable, 2.1, Limited Quantity  
 ICAO/IATA (air): UN1950, Aerosols, flammable, 2.1, Limited Quantity  
 IMO/IMDG (water): UN1950, Aerosols, 2.1, Limited Quantity  
 Special Provisions: None

## Section 15: Regulatory Information

### 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	Yes
	Reactive Hazard	No
	Release of Pressure	Yes

Acute Health Hazard      Yes  
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

Occupational Safety and Health Administration (OSHA):

This product is regulated under the Hazard Communication Standard.

**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

Consumer Products VOC Regulations:    This product is not regulated.

State Right to Know:

New Jersey:      142-82-5, 68476-85-7  
Pennsylvania:    142-82-5, 68476-85-7  
Massachusetts:   142-82-5, 68476-85-7  
Rhode Island :    142-82-5, 68476-85-7

**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:    A, B5

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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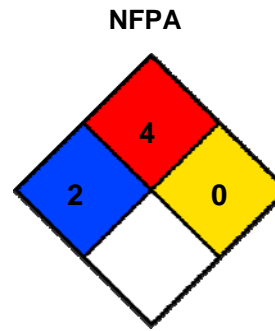
**Section 16: Other Information**


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HMIS® (II)	
Health:	2
Flammability:	4
Reactivity:	0
PPE:	B



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

Prepared By: Michelle Rudnick  
 CRC #: 03079  
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Changes since last revision: Section 13: Disposal Considerations  
 Section 14: Transport Information

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.

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