



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** NAPA/CRC® Brakleen® Non-Chlorinated Brake Parts Cleaner (aerosol)  
50 State Formula

**Product Number (s):** 095050

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Clear colorless liquid, solvent odor

### DANGER

Extremely Flammable. Vapors May Cause Flash Fires. Harmful or Fatal if Swallowed.  
Eye and Skin Irritant. Contents Under Pressure.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

### Potential Health Effects:

- EYE:** Eye irritant. Contact may cause moderate to severe eye irritation including stinging, watering and redness.
- SKIN:** Skin irritant. Contact may cause redness, itching, burning, and skin damage. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin, leading to dermatitis (inflammation).
- INHALATION:** Low to moderate degree of toxicity by inhalation. Effects of overexposure may include irritation to the respiratory tract and signs of nervous system depression (headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue).
- INGESTION:** Main hazard is aspiration. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. Swallowing this material may also cause nausea and diarrhea. Acetone poisoning may result in liver and kidney damage.
- CHRONIC EFFECTS:** Exposure to high concentrations of this material may increase the sensitivity of the heart to certain drugs. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
- TARGET ORGANS:** Liver, kidney, central nervous system.

Medical Conditions Aggravated by Exposure: skin disorders, respiratory (asthma-like) disorders

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

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### **Section 3: Composition/Information on Ingredients**

<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>% by Wt.</b>
Heptane isomers	142-82-5	5 - 20
Acetone	67-64-1	70 - 85
Carbon dioxide	124-38-9	8 - 13

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### **Section 4: First Aid Measures**

- 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 or give anything by mouth because material can enter the lungs and cause severe lung damage. Seek medical attention immediately.

*Note to Physicians:* Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to high concentrations of hydrocarbon solvents. The use of other drugs with less arrhythmogenic potential should be considered.

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### **Section 5: Fire-Fighting Measures**

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

Flash Point:	< 0 F (TCC)	Upper Explosive Limit:	12.8
Autoignition Temperature:	869 F	Lower Explosive Limit:	2.5

**Suitable Extinguishing Media:** Dry chemical, carbon dioxide or foam is recommended.

**Products of Combustion:** Oxides of carbon

**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 spreading burning liquid with water used for cooling purposes.

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### **Section 6: Accidental Release Measures**

**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.

**Product Name: NAPA/CRC® Brakleen® Non-Chlorinated Brake Parts Cleaner (Aerosol)**

**Product Number (s): 095050**

Methods for Containment & Clean-up: Eliminate all potential 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.

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**Section 7: Handling and Storage**

Handling Procedures: Do not use on or around any potential sources of ignition or live equipment. Do not touch container to electrical sources as container will conduct electricity. Wash thoroughly after use and before handling food.

Storage Procedures: Aerosol cans must be maintained below 120 F to prevent cans from rupturing. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Keep away from incompatible material.

Aerosol Storage Level: III

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

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Heptane isomers	500	NE	400	500	NE		ppm
Acetone	750 (v)	1000 (v)	500	750	NE		ppm
Carbon dioxide	5000	30000(v)	5000	30000	NE		ppm

N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. 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. Use a NIOSH-approved cartridge respirator with an organic vapor cartridge if vapors exceed exposure limits. 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, PVA or Viton®. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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**Section 9: Physical and Chemical Properties**

Physical State: liquid  
Color: clear, colorless  
Odor: solvent  
Specific Gravity: 0.770 - 0.780

**Product Name: NAPA/CRC® Brakleen® Non-Chlorinated Brake Parts Cleaner (Aerosol)**

**Product Number (s): 095050**

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Initial Boiling Point: 132 F

Freezing Point: < -100 F

Vapor Pressure: ND

Vapor Density: 2 (air = 1)

Evaporation Rate: fast

Solubility: slightly soluble in water

pH: NA

Volatile Organic Compounds: wt %: < 20                      g/L: < 140                      lbs./gal: < 1.2

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**Section 10: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: Sources of ignition, temperature extremes

Incompatible Materials: Avoid contact with acids and oxidizers such as chlorine and other halogens, chromates, perchlorates, peroxides and oxygen.

Hazardous Decomposition Products: oxides of carbon

Possibility of Hazardous Reactions: No

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**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 EFFECTS**

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
n-heptane	LD50	103 g/m <sup>3</sup> /4H	Inhalation	Rat
acetone	LD50	76 mg/L/4H	Inhalation	Rat
acetone	LD50	1800 mg/kg	Oral	Rat
n-heptane	LD50	> 15 g/kg	Oral	Mouse

**CHRONIC EFFECTS**

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	none listed	
IARC:	none listed	
NTP:	none listed	

Mutagenicity: no information available

Other: none

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**Section 12: Ecological Information**

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

**Product Name: NAPA/CRC® Brakleen® Non-Chlorinated Brake Parts Cleaner (Aerosol)**

**Product Number (s): 095050**

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Ecotoxicity:	n-heptane - 24 Hr EC50 Daphnia magna: >10 mg/L acetone - 48 Hr EC50 Daphnia magna: 12600 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**

Disposal: The dispensed liquid product is a RCRA hazardous waste for the characteristic of ignitability with the following potential waste codes: D001, F003. (See 40 CFR Part 261.20 – 261.33)  
Aerosol containers should be emptied and depressurized before disposal. Empty containers may be recycled. Any liquid product should be managed as a hazardous waste.

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

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**Section 14: Transport Information**

Proper shipping description:

US DOT (ground): Consumer Commodity, ORM-D

Special Provisions: None

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**Section 15: Regulatory Information**

**U.S. Federal**

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: Acetone (5000 lbs)

**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

**Product Name: NAPA/CRC® Brakleen® Non-Chlorinated Brake Parts Cleaner (Aerosol)**

**Product Number (s): 095050**

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Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

**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: toluene (< 0.005%)

State Right to Know:

New Jersey: 142-82-5, 67-64-1, 124-38-9  
Pennsylvania: 142-82-5, 67-64-1, 124-38-9  
Massachusetts: 142-82-5, 67-64-1, 124-38-9  
Rhode Island : 142-82-5, 67-64-1, 124-38-9

**Additional Regulatory Information:** In states with consumer products VOC regulations, this product is compliant as a Brake Cleaner.

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**Section 16: Other Information**

NFPA: Health: 2 Flammability: 3 Reactivity: 0  
HMIS: Health: 2 Flammability: 3 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick  
CRC #: 920A/B  
Revision Date: 01/06/2009

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.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** De-Squeak™ Brake Conditioning Treatment

**Product Number (s):** 05070, 05080, 75080

**Product Use:** Conditioning treatment for brakes

**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. Eye Irritant. Content Under Pressure.  
Appearance & Odor: Silver film, slight petroleum odor

**Potential Health Effects:**

**ACUTE EFFECTS:**

**EYE:** May cause irritation, including redness, itching or a burning sensation.

**SKIN:** Prolonged or repeated exposure may cause irritation, redness, or itching.

**INHALATION:** May cause irritation of the upper respiratory system or nervous system depression (headache, dizziness, nausea, and loss of coordination). Extreme overexposure may result in unconsciousness and possibly death.

**INGESTION:** Ingestion of aerosol product is not expected during normal use.

**CHRONIC EFFECTS:** Prolonged overexposure may cause adverse effects to the liver and urinary systems.

**TARGET ORGANS:** Liver and urinary systems

**Medical Conditions Aggravated by Exposure:** Unknown

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

**Product Name: De-Squeak™ Break Conditioning Treatment**

**Product Number (s): 05070, 05080, 75080**

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### **Section 3: Composition/Information on Ingredients**

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<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>% by Wt.</b>
Propane	74-98-6	20 - 30
Butane	106-97-8	45 - 55
Mineral Spirits	64742-88-7	5 - 15
Paraffin Oil	64742-62-7	1 - 5
Amorphous Silica	7631-86-9	1 - 5

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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. Get medical attention 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: < 0°F  
Autoignition Temperature: ND

Upper Explosive Limit: 9.5  
Lower Explosive Limit: 1.0

**Fire and Explosion Data:**

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, foam

**Products of Combustion:** Carbon dioxide and carbon monoxide

**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.



**Product Name: De-Squeak™ Break Conditioning Treatment**

**Product Number (s): 05070, 05080, 75080**

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.

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**Section 7: Handling and Storage**

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Handling Procedures: Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated. Do not smoke. Extinguish all flames, pilot lights, and heaters. Turn off stove, electric tools and other appliances, and any other source of ignition. 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 to prevent cans from rupturing. Keep out of reach of children.

Aerosol Storage Level: III

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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	
Propane	1000	NE	1000	NE	NE		ppm
Butane	800	NE	1000	NE	NE		ppm
Mineral Spirits	NE	NE	NE	NE	NE		ppm
Paraffin Oil	NE	NE	NE	NE	NE		
Amorphous Silica	6	NE	10	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.

**Product Name: De-Squeak™ Break Conditioning Treatment**

**Product Number (s): 05070, 05080, 75080**

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## Section 9: Physical and Chemical Properties

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Physical State: liquid

Color: silver

Odor: slight petroleum odor

Odor Threshold: ND

Specific Gravity: 0.62

Initial Boiling Point: ND

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

Evaporation Rate: fast

Solubility: ND

Coefficient of water/oil distribution: ND

pH: NA

Volatile Organic Compounds: wt %: 83.75 g/L: 520 lbs./gal: 4.3

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## Section 10: Stability and Reactivity

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Stability: Stable

Conditions to Avoid: Sources of ignition; temperature extremes

Incompatible Materials: None known

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide

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:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Propane	No data	No data	No data
Butane	No data	No data	658 g/m <sup>3</sup> /4H
Mineral Spirits	> 2000 mg/kg	> 2000 mg/kg	No data
Paraffin Oil	No data	No data	No data
Amorphous Silica	No data	No data	No data

### Chronic Toxicity:

Component	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen	Irritant	Sensitizer
Propane	No	No	No	No	No
Butane	No	No	No	No	No
Mineral Spirits	No	No	No	E (mild) / S (moderate) / R (mild)	Unknown
Paraffin Oil	No	No	No	Unknown	Unknown
Amorphous Silica	No	No	No	Unknown	Unknown

E – Eye      S – Skin      R - Respiratory

**Product Name: De-Squeak™ Break Conditioning Treatment**

**Product Number (s): 05070, 05080, 75080**

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Reproductive Toxicity: No information available  
Teratogenicity: No information available  
Mutagenicity: No information available  
Synergistic Effects: No information available

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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: No information available  
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:** The dispensed liquid product is a RCRA hazardous waste for the characteristic of ignitability with a waste code of D001. Pressurized containers may be a D003 reactive 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.

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## **Section 14: Transport Information**

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US DOT (ground): Consumer Commodity, ORM-D  
ICAO/IATA (air): Consumer Commodity, ID8000, 9  
IMO/IMDG (water): Aerosols, UN1950, 2.1, Limited Quantity  
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 Yes

**Product Name: De-Squeak™ Break Conditioning Treatment**

**Product Number (s): 05070, 05080, 75080**

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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: 74-98-6, 106-97-8  
Pennsylvania: 74-98-6, 106-97-8, 7631-86-9  
Massachusetts: 74-98-6, 106-97-8  
Rhode Island : 74-98-6, 106-97-8

**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, 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

**Product Name: De-Squeak™ Break Conditioning Treatment**

**Product Number (s): 05070, 05080, 75080**

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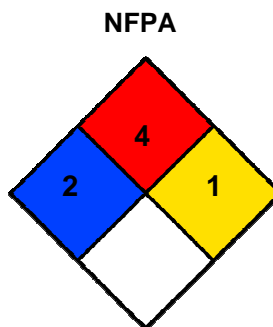
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## Section 16: Other Information

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HMIS® (II)	
Health:	2
Flammability:	4
Reactivity:	1
PPE:	B



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

Prepared By: Michelle Rudnick  
CRC #: 05080  
Revision Date: 11/25/2009

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.

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



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** Freeze-Off® Super Penetrant (aerosol)

**Product Number (s):** 05002, 05010

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-8963
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Reddish liquid, pine odor

### DANGER

Extremely flammable. Harmful or fatal if swallowed. Eye irritant. Contents under pressure.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

### Potential Health Effects:

- EYE:** Liquid may cause mild irritation including stinging, tearing and redness.
- SKIN:** Liquid may cause mild to moderate skin irritation including redness, itching, and burning. Repeated contact may cause drying and cracking of skin. Product becomes colder the longer it is sprayed and may cause frostbite if sprayed on skin after extended use.
- INHALATION:** Breathing small amounts of vapor during normal handling is not likely to cause harmful effects. Breathing large amounts may cause irritation to the nose and throat as well as headache, drowsiness or other nervous system effects.
- INGESTION:** Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Main hazard is aspiration of this material into the lungs during swallowing or vomiting. This can result in lung inflammation and other lung injury.
- CHRONIC EFFECTS:** Unknown
- TARGET ORGANS:** Inadequate data available for this material.

Medical Conditions Aggravated by Exposure: skin or respiratory conditions

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

**Product Name:** Freeze-Off® Super Penetrant (aerosol)  
**Product Number (s):** 05002, 05010

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### Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Aliphatic hydrocarbon	8052-41-3	10 - 15
Hydrotreated petroleum distillates	64742-47-8 / 64742-46-7	15 - 20
Turpentine oil	8006-64-2	3 - 6
COzol® 306	proprietary blend	3 - 6
2-Butoxyethanol	111-76-2	2 - 3
Diacetone alcohol	123-42-2	1 - 3
1,1-Difluoroethane (HFC-152a)	75-37-6	45 - 55

### Section 4: First Aid Measures

**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 due to aspiration hazard. Seek medical attention.

*Note to Physicians:* This material is an aspiration hazard.

### Section 5: Fire-Fighting Measures

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

Flash Point (liquid):	109 F (TCC)	Upper Explosive Limit:	ND
Flash Point (propellant):	- 58 F (Est.)	Lower Explosive Limit:	ND

**Suitable Extinguishing Media:** Use extinguishing media appropriate for a Class B fire.

**Products of Combustion:** Oxides of carbon

**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.

**Product Name:** Freeze-Off® Super Penetrant (aerosol)  
**Product Number (s):** 05002, 05010

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## Section 6: Accidental Release Measures

**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:** 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.

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## Section 7: Handling and Storage

**Handling Procedures:** Do not use near flames, sparks or other sources of ignition. Do not heat product. Use with adequate ventilation in order to prevent vapor build-up and a flammable atmosphere. Avoid contact with skin and eyes.

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

**Aerosol Storage Level:** III

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## Section 8: Exposure Controls/Personal Protection

**Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Aliphatic hydrocarbon	100 (v)	NE	100	NE	NE		ppm
Hydrotreated petroleum distillates	NE	NE	NE	NE	NE		
Turpentine oil	100	NE	20	NE	NE		ppm
COzol™ 306	NE	NE	NE	NE	NE		
2-Butoxyethanol	50 (s)	NE	20	NE	NE		ppm
Diacetone alcohol	50	NE	50	NE	NE		ppm
1,1-Difluoroethane	NE	NE	NE	NE	1000	AIHA	ppm
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

**Engineering Controls:** Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. 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. Use a NIOSH-approved cartridge respirator with organic vapor cartridge if vapors exceed exposure limits. 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.



**Product Name:** Freeze-Off® Super Penetrant (aerosol)

**Product Number (s):** 05002, 05010

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

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## Section 9: Physical and Chemical Properties

Physical State: Liquid

Color: reddish

Odor: pine

Specific Gravity: 0.822

Initial Boiling Point: ND

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

Evaporation Rate: ND (ether = 1)

Solubility: negligible

pH: NA

Volatile Organic Compounds:     wt %:     36.55                     g/L:     300.4                     lbs./gal:     2.5

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## Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: heat, sources of ignition

Incompatible Materials: strong oxidizers

Hazardous Decomposition Products: oxides of carbon

Possibility of Hazardous Reactions: No

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## 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 EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
2-Butoxyethanol	LC50	450 ppm/4H	Inhalation	Rat
2-Butoxyethanol	LD50	470 mg/kg	Oral	Rat
2-Butoxyethanol	LD50	220 mg/kg	Dermal	Rabbit
Petroleum distillates	LD50	> 5 g/kg	Oral	Rat
Petroleum distillates	LD50	> 2 g/kg	Dermal	Rabbit
Petroleum distillates	LC50	> 5mg/L/4H	Inhalation	Rat

### CHRONIC EFFECTS

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

**Product Name:** Freeze-Off® Super Penetrant (aerosol)

**Product Number (s):** 05002, 05010

Mutagenicity: No data available.

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## Section 12: Ecological Information

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

Ecotoxicity: 2-Butoxyethanol 96 Hr LC50, Bluegill sunfish: 1490 mg/L  
24 Hr LC50, daphnia: 1720 mg/L  
Persistence / Degradability: No data available  
Bioaccumulation / Accumulation: No data available  
Mobility in Environment: No data available

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## Section 13: Disposal Considerations

Disposal: The dispensed liquid is a RCRA hazardous waste for the characteristic of ignitability with a waste code of D001. (See 40 CFR Part 261.20 – 261.33)  
Aerosol containers should be emptied and depressurized before disposal. Empty containers may be recycled or discarded. Any liquids should be collected and properly disposed as hazardous waste.

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

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## Section 14: Transport Information

Proper shipping description:

US DOT (ground): Consumer Commodity, ORM-D

Special Provisions: None

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## Section 15: Regulatory Information

### U.S. Federal

#### 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

**Product Name: Freeze-Off® Super Penetrant (aerosol)**

**Product Number (s): 05002, 05010**

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:  
2-Butoxyethanol (Glycol ethers category) ( 2.5%)

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

**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

State Right to Know:

New Jersey: 8052-41-3, 111-76-2, 8002-09-3, 8006-64-2, 123-42-2, 75-37-6

Pennsylvania: 8052-41-3, 123-42-2, 111-76-2

Massachusetts: 8052-41-3, 8006-64-2, 123-42-2, 111-76-2, 75-37-6

Rhode Island : 8052-41-3, 111-76-2, 8006-64-2, 123-42-2,

**Additional Regulatory Information:** In states with Consumer Products VOC regulations, this product is compliant as a Penetrant.

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**Section 16: Other Information**

NFPA: Health: 1 Flammability: 4 Reactivity: 0  
HMIS: Health: 1 Flammability: 4 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick  
CRC #: 447B  
Revision Date: 01/28/2009

Changes since last revision: Section 15: Additional Regulatory Information revised

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.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		
AIHA:	American Industrial Hygiene Association		



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Sta-Plex™ Extreme Pressure Premium Red Grease

**Product Number (s):** SL3190, SL3191, SL3195, SL3197

**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

As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.

Appearance & Odor: Red 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.

**Product Name: Sta-Plex™ Extreme Pressure Premium Red Grease**  
**Product Number (s): SL3190, SL3191, SL3195, SL3197**

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### **Section 3: Composition/Information on Ingredients**

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<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>% by Wt.</b>
Hydrotreated heavy naphthenic distillates	64742-52-5	30 - 60
Solvent-dewaxed heavy paraffinic distillates	64742-65-0	15 – 45
Lithium 12-hydroxystearate	7620-77-1	5 – 15
Zinc, dithiophosphate di-C1-14-alkyl esters	68649-42-3	1 – 5
1-Propene-2-methyl, sulfurized	68511-50-2	1 - 5

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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: 475°F (COC)	Upper Explosive Limit: ND
Autoignition Temperature: ND	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. 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

**Product Name: Sta-Plex™ Extreme Pressure Premium Red Grease****Product Number (s): SL3190, SL3191, SL3195, SL3197**

area, clean-up workers should wear appropriate respiratory protection. Wipe up spilled material. Place used absorbents into proper waste containers.

**Section 7: Handling and Storage**

**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

**Section 8: Exposure Controls/Personal Protection****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>
Solvent-dewaxed heavy paraffinic distillate	5*	NE	5*	10*	NE		mg/m <sup>3</sup>
Lithium 12-hydroxystearate	NE	NE	NE	NE	NE		
Zinc, dithiophosphate di-C1-14-alkyl	NE	NE	NE	NE	NE		
1-Propene-2-methyl, sulfurized	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 latex or rubber. Also, use full protective clothing if there is prolonged or repeated contact of material with skin.

**Product Name: Sta-Plex™ Extreme Pressure Premium Red Grease**

**Product Number (s): SL3190, SL3191, SL3195, SL3197**

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## Section 9: Physical and Chemical Properties

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Physical State: semi-solid grease

Color: red

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: slow

Solubility: insoluble in water

Coefficient of water/oil distribution: ND

pH: NA

Volatile Organic Compounds: wt %: 1.0 g/L: 9.0 lbs./gal: 0.075

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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

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
Solvent-dewaxed heavy paraffinic distillate	> 2000 mg/kg	> 2000 mg/kg	No data
Lithium 12-hydroxystearate	No data	No data	No data
Zinc, dithiophosphate di-C1-14-alkyl esters	No data	No data	No data
1-Propene-2-methyl, sulfurized	No data	No data	No data

**Product Name: Sta-Plex™ Extreme Pressure Premium Red Grease**  
**Product Number (s): SL3190, SL3191, SL3195, SL3197**

**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
Solvent-dewaxed heavy paraffinic distillate	No	No	No	Unknown	Unknown
Lithium 12-hydroxystearate	No	No	No	Unknown	Unknown
Zinc, dithiophosphate di-C1-14-alkyl esters	No	No	No	Unknown	Unknown
1-Propene-2-methyl, sulfurized	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



**Product Name: Sta-Plex™ Extreme Pressure Premium Red Grease**  
**Product Number (s): SL3190, SL3191, SL3195, SL3197**

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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:  
Zinc compounds (< 5%)

#### 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

Consumer Products VOC Regulations: This product is not regulated.

#### State Right to Know:

New Jersey:	68649-42-3
Pennsylvania:	68649-42-3
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.

**Product Name: Sta-Plex™ Extreme Pressure Premium Red Grease**  
**Product Number (s): SL3190, SL3191, SL3195, SL3197**

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**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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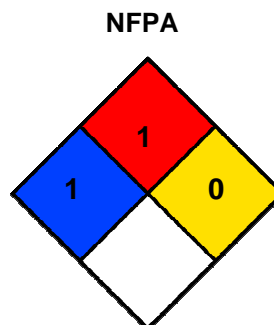
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**Section 16: Other Information**

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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 #: 2492CRC  
Revision Date: 03/17/2009

Changes since last revision: MSDS reformatted to meet the requirements of the Canadian Controlled Products Regulations.

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



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** NAPA/CRC® Disc Brake Quiet

**Product Number (s):** 091444, 091445

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Red paste, acrylic odor

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

### Potential Health Effects:

**EYE:** Direct contact with material may cause mild irritation, redness and stinging.

**SKIN:** Prolonged or repeated contact may cause mild irritation and redness of the skin.

**INHALATION:** Inhalation of vapor or mist can cause irritation to the respiratory passages, headache, and nausea.

**INGESTION:** Swallowing this material may cause gastrointestinal discomfort.

**CHRONIC EFFECTS:** None known

**TARGET ORGANS:** None

**Medical Conditions Aggravated by Exposure:** None known

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

**Product Name: NAPA/CRC® Disc Brake Quiet**  
**Product Number (s): 091444, 091445**

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### **Section 3: Composition/Information on Ingredients**

<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>% by Wt.</b>
Acrylic polymers	proprietary blend	55 – 65
Water	7732-18-5	35 – 45
Ethylene glycol	107-21-1	1 – 3
Pigments	2814-77-9 / 3468-63-1 / 2786-76-7	< 1

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### **Section 4: First Aid Measures**

**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 unless instructed by medical personnel. If victim is conscious, give them a glass of water to drink. Consult a physician for further instructions.

*Note to Physicians:* Treat symptomatically.

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### **Section 5: Fire-Fighting Measures**

**Flammable Properties:** As defined by OSHA, this product is not flammable.

Flash Point:	None (TCC)	Upper Explosive Limit:	ND
Autoignition Temperature:	ND	Lower Explosive Limit:	ND

**Suitable Extinguishing Media:** As appropriate for surrounding fire.

**Products of Combustion:** Thermal decomposition may yield acrylic monomers.

**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**

**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.

**Product Name: NAPA/CRC® Disc Brake Quiet**

**Product Number (s): 091444, 091445**

Methods for Containment & Clean-up: Dike area to contain spill. Material can create slippery conditions. 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.

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**Section 7: Handling and Storage**

Handling Procedures: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing vapors.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep containers closed when not in use. Keep product from freezing. Product stability may be affected.

Aerosol Storage Level: NA

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

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Acrylic polymers	NE	NE	NE	NE	NE		
Water	NE	NE	NE	NE	NE		
Ethylene glycol	NE	NE	NE	100 (c)	NE		mg/m <sup>3</sup>
Pigments	NE	NE	NE	NE	NE		
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

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 and particulate cartridge. 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 neoprene or nitrile. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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**Section 9: Physical and Chemical Properties**

Physical State: Paste  
Color: Red  
Odor: Acrylic  
Specific Gravity: 1.042

**Product Name: NAPA/CRC® Disc Brake Quiet**

**Product Number (s): 091444, 091445**

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Initial Boiling Point: > 200 F

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: ND (air = 1)

Evaporation Rate: < 1 (ether = 1)

Solubility: Dispersible in water

pH: NA

Volatile Organic Compounds: wt %: 0.7 g/L: 7.29 lbs./gal: 0.06

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**Section 10: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: Freezing temperatures

Incompatible Materials: None known

Hazardous Decomposition Products: Thermal decomposition may yield acrylic monomers.

Possibility of Hazardous Reactions: No

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**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 EFFECTS**

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Acrylic polymers	LD50	> 5000 mg/kg	Oral	Rat
Acrylic polymers	LD50	> 5000 mg/kg	Dermal	Rabbit

**CHRONIC EFFECTS**

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: No information available

Other: None

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**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

**Product Name: NAPA/CRC® Disc Brake Quiet**

**Product Number (s): 091444, 091445**

Bioaccumulation / Accumulation: No information available

Mobility in Environment: No information available

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### **Section 13: Disposal Considerations**

Disposal: This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)

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

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### **Section 14: Transport Information**

Proper shipping description:

US DOT (ground): Not Regulated

Special Provisions: None

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### **Section 15: Regulatory Information**

#### **U.S. Federal**

#### 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: ethylene glycol (5000 lbs)

**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:  
ethylene glycol (2%)

#### Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): ethylene glycol

**Product Name: NAPA/CRC® Disc Brake Quiet**

**Product Number (s): 091444, 091445**

Consumer Product Safety Act General Conformity Certification: This product was evaluated by CRC Industries, Inc., and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location listed in Section 1 of this MSDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above-mentioned regulations.

**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:

D&C Orange #17 (3468-63-1); trace amounts of acrylonitrile, formaldehyde and ethyl acrylate may also be present

State Right to Know:

New Jersey: 107-21-1  
Pennsylvania: 107-21-1, 102-71-6  
Massachusetts: 107-21-1  
Rhode Island : 107-21-1, 102-71-6

**Additional Regulatory Information:** None

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**Section 16: Other Information**

NFPA: Health: 1 Flammability: 0 Reactivity: 0  
HMIS: Health: 1 Flammability: 0 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick  
CRC #: 562A  
Revision Date: 11/11/2008

Changes since last revision: Section 15: CPSA Certification 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.

CAS: Chemical Abstract Service NA: Not Applicable  
ppm: Parts per Million ND: Not Determined  
TCC: Tag Closed Cup NE: Not Established  
PMCC: Pensky-Martens Closed Cup g/L: grams per Liter  
PPE: Personal Protection Equipment lbs./gal: pounds per gallon  
TWA: Time Weighted Average STEL: Short Term Exposure Limit  
OSHA: Occupational Safety and Health Administration  
ACGIH American Conference of Governmental Industrial Hygienists  
NIOSH National Institute of Occupational Safety & Health





# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** Brake Caliper Synthetic Grease

**Product Number (s):** SL3301, SL3302, SL3303, SL33011

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-8963
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Dark grey semi-solid grease with a faint odor

As defined by OSHA's Hazard Communication Standard, this product is nonhazardous.

### Potential Health 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.
- 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.

**Product Name: Brake Caliper Synthetic Grease**  
**Product Number (s): SL3301, SL3302, SL3303, SL33011**

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### Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Medium polyalphaolefins	68037-01-4	50 - 70
Fatty acids, C5-C10, esters w/ pentaerythritol	68424-31-7	10 - 20
Siliconized silica	67762-90-7	7 - 13
Molybdenum Disulfide	1317-33-5	1 – 5
Natural Graphite	7782-42-5	1 – 5
Zinc, dithiophosphate di-C1-14-alkyl esters	68649-42-3C	1 – 2
Crystalline silica, quartz	14808-60-7A	< 0.2

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### Section 4: First Aid Measures

**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:** None available

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### Section 5: Fire-Fighting Measures

**Flammable Properties:** This product is nonflammable.

Flash Point:	> 350 F (COC)	Upper Explosive Limit:	ND
Autoignition Temperature:	ND	Lower Explosive Limit:	ND

**Suitable Extinguishing Media:** Foam, CO2, Dry chemical, Sand, Dolomite

**Products of Combustion:** Acrid smoke / fumes, Oxides of carbon, Sulfur

**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.

**Product Name: Brake Caliper Synthetic Grease**  
**Product Number (s): SL3301, SL3302, SL3303, SL33011**

**Section 6: Accidental Release Measures**

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: 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: Keep container away from heat, sparks, and open flame. High temperatures may produce irritating vapors. Eye wash station should be available at work place.

Storage Procedures: Store in a cool dry area out of direct sunlight. Store separated from acids and oxidizing materials.

Aerosol Storage Level: NA

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

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Medium polyalphaolefins	NE	NE	NE	NE	NE		
Fatty acids, C5-C10, esters w/pentaerythritol	NE	NE	NE	NE	NE		
Siliconized silica	6	NE	10	NE	NE		mg/m <sup>3</sup>
Molybdenum disulfide	NE	NE	10	NE	NE		mg/m <sup>3</sup>
Natural graphite	15 *	NE	2	NE	2.5	NIOSH	mg/m <sup>3</sup>
Zinc, dithiophosphate di-C1-14-alkyl esters	NE	NE	NE	NE	NE		
Crystalline silica, quartz	0.3	NE	0.025	NE	NE		mg/m <sup>3</sup>
* mppcf (millions of particles per cubic foot of air) N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated							

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. 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. Use NIOSH-approved self-contained positive pressure respirators in low circulation areas and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**Product Name: Brake Caliper Synthetic Grease**  
**Product Number (s): SL3301, SL3302, SL3303, SL33011**

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

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**Section 9: Physical and Chemical Properties**

Physical State: semi-solid grease  
Color: dark grey  
Odor: mild  
Specific Gravity: 0.90 @ 60 F  
Initial Boiling Point: ND  
Freezing Point: ND  
Vapor Pressure: < 0.1 mmHg @ 68 F  
Vapor Density: > 0.5 (air = 1)  
Evaporation Rate: < 1 (butyl acetate = 1)  
Solubility: Insoluble in water  
pH: NA  
Volatile Organic Compounds: wt %: 1.5 g/L: 14 lbs./gal: 0.12

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**Section 10: Stability and Reactivity**

Stability: Stable  
Conditions to Avoid: Heat  
Incompatible Materials: Avoid contact with acids and oxidizing substances.  
Hazardous Decomposition Products: Oxides of carbon, Sulfur  
Possibility of Hazardous Reactions: No

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**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 EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Medium polyalphaolephins	LD50	> 2000 mg/kg	Oral	Rat
Medium polyalphaolephins	LD50	> 2000 mg/kg	Dermal	Rabbit

CHRONIC EFFECTS

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	Crystalline silica	Hazard communication carcinogen
IARC:	Crystalline silica	1 – carcinogenic to humans
NTP:	Crystalline silica	known carcinogen

Mutagenicity: None available

**Product Name: Brake Caliper Synthetic Grease**  
**Product Number (s): SL3301, SL3302, SL3303, SL33011**

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## **Section 12: Ecological Information**

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

Ecotoxicity: None available  
Persistence / Degradability: None available  
Bioaccumulation / Accumulation: None available  
Mobility in Environment: None available

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## **Section 13: Disposal Considerations**

Disposal: This product is not a RCRA hazardous waste.

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

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## **Section 14: Transport Information**

Proper shipping description:

US DOT (ground): Not Regulated

Special Provisions: None

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## **Section 15: Regulatory Information**

### **U.S. Federal**

#### 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:  
Zinc compounds (< 2%)

**Product Name: Brake Caliper Synthetic Grease**  
**Product Number (s): SL3301, SL3302, SL3303, SL33011**

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Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

**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: Crystalline silica

State Right to Know:

New Jersey: 14808-60-7, 1317-33-5,  
Pennsylvania: 14808-60-7, 7782-42-5  
Massachusetts: 14808-60-7, 1317-33-5, 7782-42-5  
Rhode Island : 14808-60-7, 7782-42-5

**Additional Regulatory Information:** None

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**Section 16: Other Information**

NFPA:	Health: 1	Flammability: 1	Reactivity: 0	
HMIS:	Health: 1	Flammability: 1	Reactivity: 0	PPE: B

Prepared By: Michelle Rudnick  
CRC #: 2965  
Revision Date: 11/13/2006

Changes since last revision: Sections 3, 8, 9, 11, & 15

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.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration	COC:	Cleveland Open Cup
ACGIH	American Association of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		