



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** Di-Electric Grease

**Product Number (s):** 05105

**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: Opaque white gel, low odor

**CAUTION:**  
Contents Under Pressure

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

### Potential Health Effects:

- EYE:** May cause mild, temporary irritation.
- SKIN:** For hypersensitive persons, may irritate the skin after prolonged periods of contact.
- INHALATION:** Viscous nature may block breathing passages if inhaled.
- INGESTION:** May cause diarrhea.
- CHRONIC EFFECTS:** None known
- TARGET ORGANS:** None known

Medical Conditions Aggravated by Exposure:

pre-existing skin sensitivities

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

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

COMPONENT	CAS NUMBER	% by Wt.
Silicone gel mixture	63148-62-9 / 7631-86-9	> 95
Nitrogen	7727-37-9	< 5

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**Section 4: First Aid Measures**

- Eye Contact:** Immediately flush with plenty of water for 15 minutes or until all residual material is gone. 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. Clear air passage if blocked. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
- Ingestion:** Wash out mouth immediately. Consult physician.
- 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:              | > 500 F (COC) | Upper Explosive Limit: | ND |
| Autoignition Temperature: | > 600 F       | Lower Explosive Limit: | ND |
- Suitable Extinguishing Media:** Foam, dry powder, carbon dioxide, sand, earth and water mist. Do not use water jet.
- Products of Combustion:** Smoke, airborne soot, hydrocarbons and oxides of carbon and silicone.
- 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.
- Methods for Containment & Clean-up:** Scrape up the bulk of the material and then wipe up the remainder with a cloth. To prevent a slippery surface or walking hazard, pick up the remaining residue with diatomaceous earth.

**Section 7: Handling and Storage**

Handling Procedures: Wash hands after use and before handling food items.

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

Aerosol Storage Level: I

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

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Silicone gel mixture	NE	NE	NE	NE	NE		
Nitrogen	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. 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 eye contact, wear splash-proof goggles.

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

**Section 9: Physical and Chemical Properties**

Physical State: gel

Color: opaque white

Odor: low

Specific Gravity: 1.06

Initial Boiling Point: > 600 F

Freezing Point: ND

Vapor Pressure: < 0.01 kPa

Vapor Density: > 5 (air = 1)

Evaporation Rate: < 0.01 (butyl acetate = 1)

Solubility: ND

pH: neutral

Volatile Organic Compounds:    wt %: 0                      g/L: 0                      lbs./gal: 0

**Section 10: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: Powerful sources of ignition and extreme temperatures.

Incompatible Materials: Strong inorganic and organic acids, oxidizing agents

Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon and silicone. Residue mainly comprised of soot and mineral oxides.

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 EFFECTS**

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
No information available				

**CHRONIC EFFECTS**

Carcinogenicity:

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

Mutagenicity: No information available

Other: None

**Section 12: Ecological Information**

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

Ecotoxicity: Unlikely to act as a marine pollutant.  
Persistence / Degradability: No information available  
Bioaccumulation / Accumulation: Bioaccumulation potential is negligible.  
Mobility in Environment: No information available

**Section 13: Disposal Considerations**

Disposal: The dispensed product is not a RCRA hazardous waste. Pressurized containers may be considered a hazardous waste for the characteristic of reactivity with a waste code of D003. (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): 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	No
	Reactive Hazard	No
	Release of Pressure	Yes
	Acute Health Hazard	No
	Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

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

**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: 7727-37-9  
Pennsylvania: 7727-37-9  
Massachusetts: 7727-37-9  
Rhode Island : 7727-37-9

**Additional Regulatory Information:** None

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**Section 16: Other Information**

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

Prepared By: Michelle Rudnick  
CRC #: 113  
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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 COC: Cleveland Open Cup  
ACGIH American Conference of Governmental Industrial Hygienists  
NIOSH National Institute of Occupational Safety & Health