



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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**Product Name:** Di-Electric Grease

**Product Number (s):** 02085

**Product Use:** Lubricates, protects and insulates electrical connections

**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**

**CAUTION:** Contents Under Pressure.

Appearance & Odor: Opaque white gel, low odor

**Potential Health Effects:**

**ACUTE 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

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

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**Flammable Properties:** This product is not flammable.

|                           |                       |                        |    |
|---------------------------|-----------------------|------------------------|----|
| Flash Point:              | > 500°F / 260°C (COC) | Upper Explosive Limit: | ND |
| Autoignition Temperature: | > 600°F / 316°C       | Lower Explosive Limit: | ND |

**Fire and Explosion Data:**

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

Explosion Hazards: Aerosol containers, when exposed to heat from fire, may build pressure and explode.

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

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## Section 6: Accidental Release Measures

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Personal Precautions: Use personal protection recommended in Section 8.

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

Methods for Containment & Clean-up: 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.

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## Section 7: Handling and Storage

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Handling Procedures: Wash hands after use and before handling food items. 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 directions on how to use this product see the product label.

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

Aerosol Storage Level: I

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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 |      |
| Silicone gel mixture  | NE   | NE   | NE    | NE   | NE    |        |      |
| Nitrogen  | NE   | NE   | NE    | NE   | NE    |        |      |
| 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. 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. 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

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Physical State: gel  
Color: opaque white  
Odor: low  
Odor Threshold: ND  
Specific Gravity: 1.06  
Initial Boiling Point: > 600°F / 316°C  
Freezing Point: ND  
Vapor Pressure: < 0.01 kPa  
Vapor Density: > 5 (air = 1)  
Evaporation Rate: slow  
Solubility: ND  
Coefficient of water/oil distribution: 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 Toxicity:

| Component            | Oral LD50 (rat) | Dermal LD50 (rabbit) | Inhalation LC50 (rat) |
|----------------------|-----------------|----------------------|-----------------------|
| Silicone gel mixture | No data         | No data              | No data               |
| Nitrogen             | No data         | No data              | No data               |

### Chronic Toxicity:

| Component            | OSHA Carcinogen | IARC Carcinogen | NTP Carcinogen | Irritant | Sensitizer |
|----------------------|-----------------|-----------------|----------------|----------|------------|
| Silicone gel mixture | No              | No              | No             | No       | Unknown    |
| Nitrogen             | No              | No              | No             | No       | Unknown    |

|         |          |                 |
|---------|----------|-----------------|
| E – Eye | S – Skin | R - Respiratory |
|---------|----------|-----------------|

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

## Section 12: Ecological Information

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

Ecotoxicity: 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

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

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

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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, 2.2, 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           | 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

#### Occupational Safety and Health Administration:

This product is nonhazardous as defined by OSHA's Hazard Communications 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: 7727-37-9  
Pennsylvania: 7727-37-9  
Massachusetts: 7727-37-9  
Rhode Island : 7727-37-9

Canadian Regulations:Controlled Products Regulations:

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

WHMIS Hazard Class: A

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

European Union Regulations:

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

Additional Regulatory Information: None

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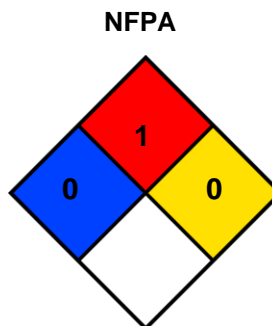
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**Section 16: Other Information**

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



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

Prepared By: Michelle Rudnick  
CRC #: 113  
Revision Date: 09/23/2011

Changes since last revision: Revision date

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