

# Material Safety Data Sheet

<b>Revision Date</b> February 4 <sup>th</sup> , 2005 <b>Head Office</b> 9347 - 193 Street, Surrey, B.C., V4N 4E7	<b>Prepared by</b> David MacKinnon	<b>Technical Information</b> 1-800-201-8822 or <a href="mailto:support@mgchemicals.com">support@mgchemicals.com</a> <b>Emergency</b> Phone Canutech (613) 996-6666 Collect 24 hrs
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## Section 1: Product Identification

**MSDS Code: 8463**                      **Name: Silver Conductive Grease**  
**Related Part Numbers: 8463-7G**

Use: For lubricating switches, improving electrical connections and as a heat sink compound.

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
7440-22-4	Silver	30-60	N/a	8H TWA 0.01 mg(Ag)/m3	N/a
63148-62-9	dimethylpolysiloxane	30-60	n/e	n/e	n/e
1333-86-4	carbon black	1-10	n/a	n/a	n/a

## Section 3: Hazards Identification

**WHMIS Codes:** D2B

**NFPA Ratings:** Health 1 Flammability 0 Reactivity 0

**HMIS Ratings:** Health 1 Flammability 0 Reactivity 0

**Eyes:** May cause eye irritation.

**Skin:** No effects known.

**Inhalation:** Unlikely route of entry

**Ingestion:** None known

**Chronic:** None known

## Section 4: First Aid Measure

**Eyes:** Remove contact lenses. Flush with water or saline for 20 minutes. Get medical aid if irritation persists.

**Skin:** Wash skin with large quantities of soap and water.

**Inhalation:** Remove from exposure to fresh air.

**Ingestion:** Do not induce vomiting. Seek medical attention if adverse symptoms persist.

## Section 5: Fire Fighting Measures

**Autoignition Temperature:** n/e                      **Flash Point:** 301°C                      **LEL / UEL:** n/a

**Extinguishing Media:** All standard extinguishing media.

**General Information:** May burn at excessive temperatures.

## Section 6: Accidental Release Measures

**Spill Procedure:** Wipe, scrape, or soak up in an inert material. Wash spill area with soap and water.

## Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes.

**Storage:** Store in a cool, dry, well ventilated area, away from incompatible substances. Keep container closed.

## Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.

**Ventilation:** Not required.

**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	paste	<b>Odor:</b>	none	<b>Solubility:</b>	insoluble	<b>Evaporation Rate:</b>	n/a
<b>Boiling Point:</b>	300°C	<b>Specific Gravity:</b>		<b>Vapor Pressure:</b>	<1 PSI @21°C	<b>Vapor Density:</b>	n/a
						<b>pH:</b>	n/a

## Section 10: Stability and Reactivity

<b>Stability:</b>	Stable at normal temperatures and pressures.
<b>Conditions to avoid:</b>	Excessive heat or flames, incompatible substances.
<b>Incompatibilities:</b>	Oxidizing agents
<b>Polymerization:</b>	Will not occur.
<b>Decomposition:</b>	Carbon monoxide, carbon dioxide, silicone dioxide, formaldehyde

## Section 11: Toxicological Information

<b>Sensitization:</b> (effects of repeated exposure)	Not known to.
<b>Carcinogenicity:</b> (risk of cancer)	The ingredients of this product are not classified as being carcinogenic by ACGIH (American Conference of Governmental industrial Hygenists) or IARC (International Agency for Research on Cancer), not regulated as carcinogens by OSHA (Occupational Safety and Health Administration), and not listed as carcinogens by NTP (National Toxicology Program)
<b>Teratogenicity:</b> (risk of malformation in an unborn fetus)	No
<b>Reproductive Toxicity:</b> (risk of sterility)	No
<b>Mutagenicity:</b> (risk of heritable genetic effects)	No
<b>Lethal Exposure Concentrations:</b>	<b>Ingestion(LD50):</b> n/e <b>Inhalation (LC50):</b> n/e <b>Skin (LD50):</b> n/e

## Section 12: Ecological Information

**General Information:** Avoid runoff into storms and sewers which lead into waterways. Water runoff can cause environmental damage.

**Environmental Impact Data:** (percentage by weight)



CFC: 0

HFC: 0

Cl.Solv.: 0

VOC: 100

HCFC: 0

ODP: 0

### Section 13: Disposal Information

**General Information:** Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

### Section 14: Transportation Information

**Ground:**

Not regulated.

**Air:**

Not regulated.

**Sea:**

Not regulated.

### Section 15: Regulatory Information

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

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product does not contain any chemicals listed as hazardous air pollutants.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain any chemicals listed.

**Health Canada**

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

**Environment Canada**

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act

This product does not contain any ozone depleting substances.

**Industry and Science Canada**

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

**RoHS** (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

### Section 16: Other Information

**Definitions:** n/a = not applicable, n/e = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.



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