



M. E. Taylor Engineering, Inc.
15817 Crabbs Branch Way
Rockville, MD 20855

Material Safety Data Sheet

Revision Date
July 2, 2008
Head Office
21604 Gentry Lane, Brookeville, MD, 20833

Technical Information
1-301-975-9798 or support@semicro.org
Emergency
Phone Canutech (613) 996-6666 Collect 24 hrs

For updates please download from www.semicro.org or phone 1-301-975-9798

Section 1: Product Identification

MSDS Code: SG **Name: Silver Conductive Grease**

Related Part Numbers: SG

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

Section 2: Hazardous Ingredients

CAS#	Chemical Name	% by weight	ACGIH TWA	Osha Pel	Osha Stel
7440-22-4	Silver	61 – 67	n/e	8H TWA 0.01 mg/m ³	n/e
63148-62-9	Dimethylpolysiloxane	30 – 34	n/e	n/e	n/e
1333-86-4	Carbon black	3 – 5	n/e	n/e	n/e

Section 3: Hazards Identification

NFPA Ratings: Health 1 Flammability 0 Reactivity 0

HMIS Ratings: Health 1 Flammability 0 Physical Hazard 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 if worn. Flush with water or saline for 20 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Thoroughly wash skin with large quantities of soap and water.

Inhalation: Remove from exposure and into fresh air. Get medical aid if adverse symptoms persist.

Ingestion: Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid if adverse symptoms persist.



Section 5: Fire Fighting Measures

Autoignition Temperature: n/e **Flash Point:** 301 °C / 576 °F **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 hands thoroughly after handling. Avoid contact with eyes.
Storage: Store closed container in a cool, dry, and well ventilated area.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.
Ventilation: Use adequate general or local exhaust ventilation.
Personal Protection: Wear protective gloves to prevent skin contact.

Section 9: Physical and Chemical Properties

Physical State:	Paste	Odor:	None	Solubility in water:	Insoluble	Evaporation Rate:	n/a		
Boiling Point:	200 °C / 392 °F	Specific Gravity:	1.18	Vapor Pressure:	< 1 PSI @ 21 °C	Vapor Density:	n/a	pH:	n/a

Section 10: Stability and Reactivity

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



Section 11: Toxicological Information

Sensitization: (effects of repeated exposure) Not known to.

Carcinogenicity: (risk of cancer) The ingredients of this product are not classified as being carcinogenic by ACGIH (American Conference of Governmental Industrial Hygienists) 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)

Teratogenicity: (risk of malformation in an unborn fetus) No

Reproductive Toxicity: (risk of sterility) No

Mutagenicity: (risk of heritable genetic effects) No

Lethal Exposure Concentrations:	Ingestion (LD50):	Inhalation (LC50):	Skin (LD50):	Inhalation (TCLo):
Silver	>10 gm/kg Mouse	n/e	n/e	n/e
Dimethylpolysiloxane	>5,000 mg/kg Rat	>535 mg/L Rat	>10,000 mg/kg Rabbit	n/e
Carbon Black	>15,400 mg/kg Rat	n/e	>3 gm/kg Rabbit	7 mg/m ³ Rat

Section 12: Ecological Information

General Information:

Volatile Organic compounds, % by weight: 0%

Volatile Organic compounds, grams per Liter: 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:
 Non-regulated

Air:
 Non-regulated

Sea:
 Non-regulated



M. E. Taylor Engineering, Inc.
15817 Crabbs Branch Way
Rockville, MD 20855

Section 15: Regulatory Information

CANADA

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.

DSL

All ingredients in this product are listed on the Domestic Substances List

WHMIS

This product belongs to the following categories: **D2B**

Industry and Science Canada

M. E. Taylor Engr labels products intended for the workplace to conform to WHMIS labeling regulations. Product identification, net quantity declaration, minimum printing type size heights, and packaging of this product are in compliance.

Health Canada

Products produced by M. E. Taylor Engr intended for retail display conform to the Canadian Consumer Labeling Regulations.

USA

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.

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.

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

This product does not contain any chemicals listed.

EUROPE

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

This product is RoHS compliant; it does not contain lead, cadmium, mercury, hexavalent chromium, PBB's or PBDE's.

WEEE

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

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. E. Taylor Engineering 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.