



Quality System Certified to ISO 9001:2008

SAI Global File #004008

Burlington, Ontario, Canada

SILICONE GREASE

8462

# Safety Data Sheet

## Section 1: Product and Company Identification

### Product Identifier and Other Means of Identification

**Product Name:** Silicone Grease

**SDS Code:** 8462

**Related Part #** 8462-85ML, 8462-1P, 8462-1G, 8462-20KG

### Recommended Use and Restriction on Use

**Use:** Moisture repelling, dielectric grease and lubricant

**Uses Advised Against:** Not available

### Details of Manufacturer or Importer

#### Manufacturer

MG Chemicals  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADA

MG Chemicals (Head Office)  
9347-193 Street  
Surrey, British Columbia V4N 4E7  
CANADA

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**☎** +1-905-331-1396

**FAX** +1-905-331-2682

**E-MAIL** [info@mgchemicals.com](mailto:info@mgchemicals.com)

**E-MAIL** (Competent Person): [sds@mgchemicals.com](mailto:sds@mgchemicals.com)

### Emergency Phone Number

**For hazardous material incidents ONLY**—leaks, spills, fires, exposures or accidents

USA or CANADA: Call CHEMTREC ☎: **+1-800-424-9300**

**For emergencies involving dangerous goods;** Collect 24/7

CANADA: Call CANUTEC ☎: **+1-613-996-6666** or **\*666** on cellular phones

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**Section 2: Hazards Identification**

**GHS Categories**

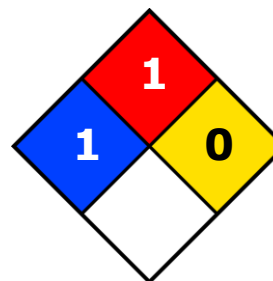
Not classified as hazardous according to GHS criteria

**Other Classifications**

**HMIS® RATING**

<b>HEALTH:</b>	<b>1</b>
<b>FLAMMABILITY:</b>	<b>1</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	

**NFPA® 704 CODES**



*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

**Label Elements**

<b>Signal Word</b>	<i>None Mandated</i>
<b>Pictograms</b>	<b>Hazard Statements</b>
<i>None mandated</i>	None

**Hazards Not Otherwise Classified**

Not applicable

**Section 3: Hazardous Ingredients**

CAS #	Chemical Name	Wt%
63148-62-9	dimethylpolysiloxane	70-90%
7631-86-9	amorphous silica	10-30%

**SILICONE GREASE****8462****Section 4: First Aid Measures**

<i>Exposure Condition</i>	<i>GHS Code: Precautionary Statement</i>
<b>IF IN EYES</b>	P305, P351+ P338, P337+P313
<b>Immediate Symptoms</b>	<i>mild irritation (discomfort)</i>
<b>Response</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if irritation persists.
<b>IF ON SKIN</b>	P302, P352, P332+P313
<b>Immediate Symptoms</b>	<i>mild irritation</i>
<b>Response</b>	Wash with plenty of water and water. Get medical advice/attention if skin irritation occurs.
<b>IF INHALED</b>	P304, P340, P310
<b>Immediate Symptoms</b>	<i>None known or expected</i>
<b>Response</b>	Remove person to fresh air (out of the contaminated zone) and keep comfortable for breathing.
<b>If feeling unwell</b>	Get medical advice/attention
<b>IF SWALLOWED</b>	P301, P330, P310 <i>(Not a likely route of exposure under normal use)</i>
<b>Immediate Symptoms</b>	<i>None known or expected</i>
<b>Response</b>	Rinse mouth with water. Do NOT induce vomiting. Get medical advice/attention if feeling unwell.

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**Section 5: Fire Fighting Measures**

<b>Auto-ignition Temperature</b>	Not available	<b>Flash Point</b>	>301 °C [574 °F]	<b>LFL [LEL]</b> <b>UFL [UEL]</b> <sup>a)</sup>	Not available
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**In case of fire** P370 +P378

**Extinguishing Media** Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.

**Specific Hazards** Will burn if involved in a fire. Cool containers exposed to fire with water if necessary.

**Combustion Products** Produces SiO<sub>2</sub> and carbon oxides (CO, CO<sub>2</sub>)

**Fire-Fighter** Wear self-contained breathing apparatus for fire fighting

a) LF[E]L = Lower Flammability [or Explosion] Limit (in volume %);  
UF[E]L = Upper Flammability [or Explosion] Limit (in volume %)

**Section 6: Accidental Release Measures**

**Personal Protection** Use personal protection recommended in Section 8.

**Precautions for Response** Not applicable

**Environmental Precautions** Avoid releasing to the environment.

**Containment** Not applicable-not readily flowable.

**Cleaning** The material presents a slip hazard and must be cleaned thoroughly. Collect liquid in a sealable, solvent-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash spill area with steam, solvents, or detergents to remove the last traces of residue.

**Disposal** Dispose of spill waste according to Section 13.

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**Section 7: Handling and Storage**

- Prevention** Do not get in eye, on skin, or on clothing.
- Handling** Wear protective gloves/eye protection.
- Storage** Keep Container tightly closed. Store in a well-ventilated and dry area. Keep cool.

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

**Routes of Entry**

skin, eyes

**Substances with Occupational Exposure Limit Values**

Chemical Name	Country or Vendor	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
amorphous silica	ACGIH	10 mg/m <sup>3</sup>	Not established
	U.S.A. NIOSH	6 mg/m <sup>3</sup>	Not established
	Canada AB	10 mg/m <sup>3</sup>	Not established

*Note:* Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH<sup>1</sup>, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from by RTECS database<sup>2</sup> of the Canadian Centre for Occupational Health and Safety (CCOHS) a data from suppliers' SDS were also consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

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**Engineering Controls**

**Ventilation** Normal ventilation is generally adequate, except in enclosed or low lying area. The silica dust is bound in the grease matrix and is not available as a respiration hazard under normal conditions or foreseeable emergency conditions.

Keep airborne concentrations below exposure limits.

**Personal Protective Equipment**

**Eye protection** Wear appropriate protective eyeglasses or chemical safety goggles.

**RECOMMENDATION:** Use safety glasses with lateral protection (side shields).

**Skin Protection** Wear appropriate protective clothing to prevent skin contact.

**Respiratory Protection** Not applicable.

**General Hygiene Considerations**

Wash hands thoroughly with water and soap after handling.

**Section 9: Physical and Chemical Properties**

<b>Physical State</b>	Solid, paste	<b>Lower Flammability Limit</b>	Not available
<b>Appearance</b>	Translucent	<b>Upper Flammability Limit</b>	Not available
<b>Odor</b>	None	<b>Vapor Pressure @20 °C</b>	Not available
<b>Odor Threshold</b>	Not applicable	<b>Vapor Density</b>	Not available
<b>pH</b>	Not available	<b>Specific Gravity @25 °C</b>	0.99
<b>Freezing/Melting Point</b>	Not available	<b>Solubility in Water @ 25 °C</b>	Insoluble
<b>Boiling Point</b>	204°C [400 °F]	<b>Partition Coefficient</b>	Not available
<b>Flash Point</b>	Not applicable	<b>Auto-ignition Temperature</b>	Not available
<b>Evaporation Rate</b>	<1 (ButAc =1)	<b>Decomposition Temperature</b>	Not available
<b>Flammability (solid, gas)</b>	Not available	<b>Viscosity @40 °C</b>	Not available

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**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical Stability</b>	Chemically stable at normal temperatures and pressures
<b>Conditions to Avoid</b>	Ignition sources, excessive heat, and incompatible substances.
<b>Incompatibilities</b>	Strong oxidizing agents, strong acids
<b>Polymerization</b>	Will not occur
<b>Decomposition</b>	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5

**Section 11: Toxicological Information**

**Routes of Exposure**

Eyes, inhalation, and skin

**Symptoms Summary**

<b>Eyes</b>	May cause mild eye irritation.
<b>Skin</b>	May cause mild skin irritation.
<b>Inhalation</b>	No known significant effects
<b>Ingestion</b>	No known significant effects
<b>Chronic</b>	No known long term effect

**Acute Toxicity (Lethal Exposure Concentrations)**

<b>Chemical Name</b>	<b>LD50 oral</b>	<b>LD50 dermal</b>	<b>LC50 inhalation</b>	<b>TCLo inhalation</b>
dimethylpolysiloxane	Not available	Not available	Not available	Not available
amorphous silica	Not available	Not available	Not available	Not available

*Note:* Representative toxicity data from by RTECS database of the Canadian Centre for Occupational Health and Safety (CCOHS)<sup>1</sup> data from supplier (M)SDS were also consulted.

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**SILICONE GREASE****8462****Other Toxicological Effects**

<b>Skin corrosion/irritation</b>	May cause mild skin irritation.
<b>Serious eye damage/irritation</b>	May cause mild eye irritation.
<b>Sensitization</b> (allergic reactions)	Not available
<b>Carcinogenicity</b> (risk of cancer)	Not classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP
<b>Mutagenicity</b> (risk of heritable genetic effects)	Not available
<b>Reproductive Toxicity</b> (risk to sex functions)	Not available
<b>Teratogenicity</b> (risk of fetus malformation)	Not available
<b>STOT-single exposure</b>	Not available
<b>STOT-repeated exposure</b>	Not available
<b>Aspiration hazard</b>	Not available

**Section 12: Ecological Information**

The IMDG Code criteria and the raw-material (M)SDS along with supporting data for the classification of registered substances from the European Chemical Agency database (<http://echa.europa.eu>) were used.

The component substances are not classifiable as an environmental toxicant.

**Acute Ecotoxicity**

Available toxicity data does not meet classification thresholds

**Chronic Ecotoxicity**

Not data available

**Biodegradability**

Not data available

**Global Warming Potential**

Not applicable

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**SILICONE GREASE****8462****Other Effects**

VOC exempt (0% by EPA and WHIMS guidelines)

*\*VOC = Regulated Volatile Organic Content***Section 13: Disposal Information**

Dispose of contents in accordance with all local, regional, national, and international regulations.

**Section 14: Transport Information****Ground****Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations);  
**USA DOT 49 CFR** (Parts 100 to 185) **Regulations.**

Not Regulated

**Air****Refer to ICAO-IATA Dangerous Goods Regulations.**

Not Regulated

**Sea****Refer to ICAO-IATA Dangerous Goods Regulations.**

Not Regulated

**Section 15: Regulatory Information****Canada****WHMIS Classification**

Not classified as hazardous according to WHMIS criteria

**Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)**

All hazardous ingredients are listed on the DSL/NDSL.

**Industry and Science Canada**

MG 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.

**SILICONE GREASE****8462***Continued on the next page***Health Canada**

Products produced by MG Chemicals 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 substances that are listed as hazardous air pollutants.

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

This product contains does not contain substances which are 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, Sept 2, 2011 revision, USA).

This product does not contain any of the listed substances.

**Europe**

This product is not classified under the DPD regulations.

**Section 16: Other Information**

**SDS Prepared by** Michel Hachey

**Date of Issue** 29 September 2014

**Supersedes** 07 November 2013

**Reason for Changes:** Added part numbers to Section 1.

**Reference**

1) ACGIH 2013 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2013).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

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**SILICONE GREASE****8462****Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

**Technical Queries** Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

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