

SILICONE GREASE

8462

Safety Data Sheet

Section 1: Product and Company Identification

Product Identifier and Other Means of Identification

Product Name: Silicone Grease**MSDS Code:** 8462**Related Part #:** 8462-85ML, 8462-1P

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

☎ 1-800-340-0772**FAX** 1-800-340-0773**E-MAIL:** support@mgchemicals.com**WEB** www.mgchemicals.com**☎** 1-905-331-1396**FAX** 1-905-331-2682**E-MAIL:** info@mgchemicals.com**E-MAIL** (Competent Person): 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

SILICONE GREASE
8462
Section 2: Hazards Identification
WHMIS Classification

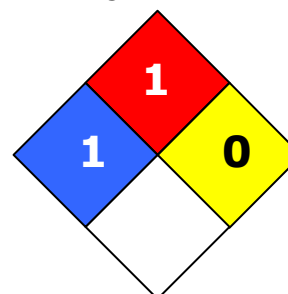
Not classified as hazardous according to WHMIS criteria

GHS Categories

Not classified as hazardous according to GHS criteria

Other Classifications
HMIS® RATING

HEALTH:	1
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES

Approximate HMIS and NFPA Risk Ratings Legend:

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

Label Elements

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

SILICONE GREASE**8462****Section 5: Fire Fighting Measures**

Autoignition Temperature	Not available	Flash Point	>301 °C [574 °F]	LFL [LEL]^{a)} UFL [UEL]	Not available
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In case of fire	P370 +P378
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Response	Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
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Combustion Products	Produces SiO ₂ and carbon oxides (CO, CO ₂)
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Fire-Fighter	Wear self-contained breathing apparatus for fire fighting
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General Information	Will burn if involved in a fire. Cool containers exposed to fire with water if necessary.
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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	See Section 8.
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Containment	Contain the spill and cover drains.
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Recommendation: For large spills, use spill socks to form containment dikes. Use general purpose spill pillows on drains.

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.
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Disposal	Not applicable
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SILICONE GREASE**8462****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 ³	Not established
	U.S.A. NIOSH	6 mg/m ³	Not established
	Canada AB	10 mg/m ³	Not established

Note: Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH¹, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from by RTECS database² 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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SILICONE GREASE**8462****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

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

SILICONE GREASE**8462****Section 10: Stability and Reactivity**

Stabilities	Chemically stable at normal temperatures and pressures
Conditions to Avoid	Ignition sources, excessive heat, and incompatible substances.
Incompatibilities	Strong oxidizing agents, strong acids
Polymerization	Will not occur
Decomposition	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

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

Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation	TCLo inhalation
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)¹ data from supplier MSDS were also consulted.

Other Toxicological Effects

Skin corrosion/irritation	May cause mild skin irritation.
Serious eye damage/irritation	May cause mild eye irritation.

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SILICONE GREASE**8462**

Sensitization (allergic reactions)	Not available
Carcinogenicity (risk of cancer)	Not classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP
Mutagenicity (risk of heritable genetic effects)	Not available
Reproductive Toxicity (risk to sex functions)	Not available
Teratogenicity (risk of fetus malformation)	Not available
STOT-single exposure	Not available
STOT-repeated exposure	Not available
Aspiration hazard	Not available

Section 12: Ecological Information

The IMDG Code criteria and the raw-material MSDS 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

Other Effects

VOC exempt (0% by EPA and WHIMS guidelines)

*VOC = *Regulated Volatile Organic Content*

SILICONE GREASE**8462****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) and **USA CFR 49 Regulations** (Parts 100 to 185).

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****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.

Health Canada

Products produced by MG Chemicals intended for retail display conform to the Canadian Consumer Labeling Regulations.

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SILICONE GREASE**8462****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

MSDS Prepared by Michel Hachey

Date of Issue 07 November 2013

Supersedes 17 October 2013

Reason for Changes: Change to HCS2012 GHS format

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.

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