



SILICONE GREASE[®] TECHNICAL DATA SHEET





SILICONE GREASE®

IDENTIFICATION

Silicone Grease	Particulars
UN Number	Not Applicable
Dangerous Goods Class	
-Subsidiary Risk	
Hazchem Code	
Poisons Schedule	
Emergency Guide	
Packaging Group	
Pack Size & Container Type	0.1 kg, 0.25 kg, 0.5 kg, 1.0 kg, 4.5 kg, 5.0 kg, 20.0 kg and 25.0 kg

Not classified as hazardous with the criteria of worksafe Australia

USE

Major recommended use in lubricating, mould releases, vacuum seals and high voltage applications. Ingredients approved for incidental food contact.

PHYSICAL DESCRIPTION

Properties	
Appearance	Colourless, translucent grease
Specific Gravity	0.98 – 1.04
Boiling Point	> 260 °C
Vapour Pressure	Negligible
Flashpoint	> 260 °C
Flammability Limits	Not Applicable
Solubility in water	Not Miscible
Maximum volatiles (150 °C/24h)	2 %
Penetration (25 °C)	210 – 300
Acidity/Basicity	Neutral
Silicone type	Dimethylpolysiloxane

INGREDIENTS

Silicone oil, fumed silica and other proprietary minor non-hazardous additives.

OTHER PROPERTIES

Other Properties	
Shock Sensivity	None
Corrosiveness	None
Oxidizing Properties	None
Reactive with common substances	None
Autoignition Temperature	Unknown
Evaporative Rate	Negligible
Vapour Density	Negligible
Odour Threshold	Odourless
pH	Not Applicable
Solubility in organic solvents	Partially soluble in hydrocarbons and chlorinated solvents
Percent Volatiles	< 3 % (by weight)
Volatile Organic Compounds	Not Applicable
Bulk Density	1040 litres/tonne

HEALTH HAZARD INFORMATION

Health effects

Acute	
Swallowed	None known
Eye	
Skin	
Inhaled	
Chronic	
	None known

This product contains Methylpolysiloxanes which can generate Formaldehyde above approximately 300 °F (150 °C), in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

FIRST AID

Complaints	Remedy
Swallowed	Wash mouth with water several times. Seek medical advice
Eyes	<ul style="list-style-type: none"> Do not allow victim to rub the eye Do not allow the victim to keep the eye shut Do not use oil or ointment without medical supervision Do not use hot water for washing. Wash with large amounts of water (luke warm if possible) for at least 15 minutes Ask victim to look up, down and sideways to wash properly
Skin	Have the victim examined by a doctor if irritation persists. Remove affected clothes, jewelry, footwear etc. from the victim. Wash the affected area with soap and water.
Inhaled	Not applicable

Advice to doctor

Advise of the chemical mixture (above). Give the First Aid information given above. Relate exactly how the accident happened and what has been done since then.

PRECAUTION FOR USE

Operating Environment

Exposure Standards	Unknown, refer to above
Ventilation	No special precautions required

Personal protection

Respirator Type	A respirator is not necessary
Glove Type	Vinyl, latex or rubber gloves are suitable
Eye Protection	Goggles or glasses with plastic or glass lenses are both suitable
Clothing	Normal work clothing is suitable

Flammability

Fire Hazards	The material is not flammable
Ventilation	Not required
Earthing	Not required
Sources of Ignition	Not Flammable
Hazchem Code	Not Applicable

SAFE HANDLING INFORMATION

Storage and Transport

Security	No special precautions required
Temperature Conditions	No special precautions required
Protection from weather/sunlight	Not critical Steel container will rust if left out in the weather. A risk of water seepage into the drums exists if water is allowed to collect in the top of the drums
Storage Incompatibilities	None known
Type of Container & Package	0.1 kg, 0.25 kg, 0.5 kg, 1.0 kg, 4.5 kg, 5.0 kg, 20.0 kg and 25.0 kg
Dangerous Goods Class	Not Applicable
Special Transport	None Specified

Spills and Disposals

Minimising Spills/Leaks	Use absorbent material such as rags, sand or vermiculite
Clean Up Spills/Leaks	Scrape up or mop up with absorbent material such as rags, sand or vermiculite and put into separate containers. Avoid washing into the drains
Precautions for Clean Up Crew	Keep the public away from spills. Will be slippery underfoot
Special Equipment for Clean Up	Not required
Disposal Containers	Use polyethylene containers or steel drums
Disposal Method	Take to disposal company and give a full description of the material. Dispose according to commonwealth and state regulations.

Fire/Explosion hazard

Hazards of use/storage	Beware of storage with substances reactive with water
List of dangerous decomposition products	Formaldehyde forms about 300 °F (150 °C)
Fire fighting recommendations	Use an extinguisher based on foam, dry chemical, water mist or carbon dioxide

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