



MATERIAL SAFETY DATA SHEET

Safety Data Sheet

Silicone Grease

This product is NOT classed as a Dangerous Goods according to criteria of NOHSC.
This product is NOT classified as a Dangerous Goods for transport by road and rail.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

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Substance: Silicone Grease
Product name: Silicone Grease
Product code: 9013
Product Use: Lubrication
Creation Date: 03 June 2014

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: Lubrication
Appearance: Opaque -White Grease

Chemical Entity	CAS NO.	Proportion (% weight/weight)
Dimethyl Siloxane Polymer	63148-62-9	30-60
Silica Filler	N/Av	10-30%

3. HAZARDS IDENTIFICATION

A. EMERGENCY OVERVIEW:

Physical Appearance and Odor:

White Grease

Warning statements:

Based on available information, NOT classified as hazardous according to health criteria of NOHSC Australia.

B. POTENTIAL HEALTH EFFECTS:

Eye: May cause slight irritation.

Skin: May cause irritation and dry out.

Inhalation: N/A

Ingestion: May irritate the respiratory tract.

Chronic Effects: No significant effects expected.

NOT Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

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4. FIRST AID MEASURES

- Ingestion:** Do not induce vomiting, give nothing by mouth. SEEK MEDICAL ATTENTION IMMEDIATELY.
- Eye contact:** Flush immediately, if persistent irritation occurs seek medical assistance.
- Skin contact:** Wash skin with water using soap if available.
- Inhalation:** Remove from exposure immediately. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance and call an ambulance. If breathing has stopped, use mouth to mouth resuscitation.

Notes to physician: Treat symptoms with reference to specific health effects identified above.

5. FIRE-FIGHTING MEASURES

Flash Point: Active N/A

Flammability Limits: (% Vol): N/A

Suitable extinguishing media: Foam, dry chemical powder, carbon dioxide or water fog.

Hazards from combustion products: Silicon dioxide, carbon monoxide, carbon dioxide, possibly hydrocarbon fragments, formaldehyde may occur with decomposition.

Precautions for Firefighters and Special Protective Equipment:

In case of fire, use Self Contained Breathing Apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Contain and absorb on suitable chemical absorbent material, etc. Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at time of disposal. Prevent spills from entering storm sewers or drains and contact with soil. If spills are likely to enter any drain, water or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Traces of formaldehyde may form if heated in air above 150°C. Adequate ventilation or appropriate respiratory protection should be provided when handling this product at elevated temperatures so regulatory standards are not exceeded.

Precautions for Safe Storage: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: N/A

Engineering measures: Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal protection equipment: No special equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: White grease.

Specific Gravity (15°C):	0.95	Melting Point (°C):	N App
Rel. Vapour Density (air=1):	N Av	Boiling Point (°C):	N Av
Vapour Pressure (15°C):	N Av	Decomp. Point (°C):	N Av
Sublimation Point:	N App	pH (1% aqueous soln):	N Av
Autoignition Temp (°C):	N Av	Viscosity (20°C):	N Av

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% Volatile by volume: N Av Evaporation Rate: N Av
Solubility in water: <1%
(Typical values only - consult specification sheet)
N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under anticipated conditions of storage and handling.

Conditions to Avoid: Extreme heat.

Incompatible materials: Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion: Practically non-toxic (LD50: Greater than 2000 mg/kg. Based on testing of similar products and/or the components.

Eye contact: Practically non-irritating. (Primary irritation index: greater than 0.5, but less than 3). Based on testing of similar products and/or the components.

Skin contact: Practically non-toxic (LD50: Greater than 2000 mg/kg. Based on testing of similar products and/or the components.

Inhalation: Not established.

Chronic toxicity: When heated above 150°C in the presence of air, product can form formaldehyde vapours. Formaldehyde is a potential carcinogen, a known skin and respiratory sensitizer, and an eye, nose, throat, skin, and digestive system irritant.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not established.

13. DISPOSAL CONSIDERATIONS

Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited by the local authority. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate licensed waste disposal site. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

14. TRANSPORT INFORMATION

UN Number N/A
Class N/A
Packing Group N/A

Road and Rail Transport

NOT Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

NOT Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Air

15. REGULATORY INFORMATION

Based on available information, classified as dangerous goods according to health criteria of NOHSC Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): N App.

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16. OTHER INFORMATION

Any advice, recommendation, information, assistance or service provided by Royal Precision Lubricants Pty Ltd in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability or responsibility on the part of Royal Precision Lubricants Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and when implied by statute, common law, custom of the trade or otherwise, are to the extent that the law permits, expressly excluded.