

Material Safety Data Sheet



MSDS# 40237

Silicone Oil for melting point and boiling point apparatus (Polydimethylsiloxane)

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name: *Flashlube Silicone Oil*

Recommended Use: Silicone oil for melting point and boiling point apparatus.

Supplier:	Flashlube Pty Ltd	Flashlube (New Zealand) Pty Ltd
ABN:	84006149257	
Street Address:	245 Sunshine Road Tottenham VIC 3012 Australia	Unit 1/46 Hobill Avenue Manukau City, Auckland New Zealand
Telephone:	+61 3 9326 9700	+64 9 2636 021
Facsimile:	+61 3 9325 9771	+64 9 2621 463

Emergency Telephone number: Australia 1800 638 556 (24hr)
New Zealand 0800 154 166 (24hr)

2. Hazard Identification

EMERGENCY OVERVIEW: This is expected to be a low hazard for usual industrial handling.

May cause eye and skin irritation.

Target organs: Unknown.

POTENTIAL HEALTH EFFECTS

Eye	May Cause Irritation
Skin	May cause irritation, low hazard for industrial handling
Ingestion	Low hazard for industrial handling
Inhalation	Low hazard for industrial handling
Chronic	No information found.

3. Composition/Information on Ingredients

Ingredients	Chemical Name:	CAS #	Proportion (%)
	Poly(dimethylsiloxane)	63148-62-9	100
EINECS #	Unlisted		
Hazard Symbols:	None Listed		
Risk Phrases:	None Listed		

4. First-Aid Measures

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin Contact	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion:	Do not induce vomiting. Get medical aid.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
First Aid Facilities	Eye wash fountain, safety shower and normal wash room facilities.
Advice to Doctor	Treat symptomatically. In case of poisoning, contact Poisons Information Centre In Australia call Tel: 131126

5. Fire-Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

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Extinguishing Media: Use water spray, dry chemical, carbon dioxide or chemical foam
Autoignition Temperature: 450 deg C (842.00 deg F)
Flash Point: 250 deg C (482.00 deg F)
Explosion Limit (Lower): Not Available
Explosion Limit (Upper): Not Available
NFPA Rating: Health: 1; Flammability: 1; Instability: 0

6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth) then place in suitable container. Forms smooth, slippery surfaces on floors, posing an accident risk. Do not let this chemical enter the environment.

7. Handling and Storage

Handling and Storage: Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale
Storage: Store in a cool, dry place. Store in a tightly closed container

8. Exposure Controls/Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
Poly(dimethylsiloxane)	None listed	None listed	None listed

OSHA Vacated PELs: Poly(dimethylsiloxane): None Listed
Engineering Controls: Facilities storing or utilising this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Exposure Limits: Personal Protective Equipment: Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166
Skin: Wear appropriate protective gloves to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. Physical and Chemical Properties

Physical State: Liquid
Colour: Clear, colourless
Odour: Weak Odour
pH: Not Available
Vapour Pressure: <1mm Hg @ 20 deg C
Vapour Density: Not Available
Evaporation Rate: Not Available.
Viscosity: 500 mPa @ 25 deg C
Boiling Point: >140 deg C @ 760 mmHg (>284 fF)
Freezing/Melting Point: -50 deg C (-58.00 fF)
Solubility in Water: Insoluble
Specific Gravity/Density: 0.960

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10. Stability and Reactivity

Chemical Stability: Stable under normal temperatures & pressures.
Conditions to Avoid: Incompatible materials, temperatures above 200 f F
Incompatible Materials Strong acids, strong oxidizing agents, strong bases
Hazardous Decomposition Products: Carbon Monoxide, Carbon dioxide, Silicone Dioxide
Hazardous Polymerization: Will not occur.

11. Toxicological Information

RTECS#: CAS#63148-62-9; JT6484500 JT6485000 VU6200000 VW1511000
VX6390000
RTECS:
CAS# 63148-62-9:
Draize test, rabbit, eye: 100 uL/24H Mild;
Draize test, rabbit, eye: 100 mg/1H Mild;
Draize test, rabbit, eye: 100 uL/24H Moderate
LD50/LC50: Draize test, rabbit, skin: 500 uL/24H Mild
Oral, rat: LD50 =>24gm/kg
Oral, rat: LD50 =>17gm/kg
Skin, rabbit: LD50 =>2gm/kg
Carcinogenicity: Poly(dimethylsiloxane) - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

12. Ecological Information

Ecological Information: Do not empty into drains.

13. Disposal Considerations

Disposal Considerations: Dispose of in a manner consistent with federal, state and local regulations.

14. Transport information

US DOT Shipping Name: Not regulated
Hazard Class:
UN Number:
Canada TDG Packing Group:
Shipping Name: Not regulated as a hazardous material
Hazard Class:
UN Number:
Packing Group:

15. Regulatory information

European/International Regulations: European Labelling in Accordance with EC Directives
Hazard Symbols: Not available
Risk Phrases:
Safety Phrases: S 24/25 Avoid contact with skin and eyes
WGK (Water Danger/Protection)
CAS# 63148-62-9: 1
Canada CAS# 63148-62-9 is listed on Canada's DSL List
Canadian WHMIS Classifications: Not controlled
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information

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required by those regulations.
CAS# 63148-62-9 is not listed on Canada's Ingredient Disclosure List
US Federal: TSCA
CAS# 63148-62-9 is listed on the TSCA
Inventory

16. Other information

Original MSDS Creation Date: 09/04/2013

MSDS Information: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

End of MSDS

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