



1. IDENTIFICATION OF THE MATERIAL AND THE MANUFACTURER

Product Name	MAC SILICONE GREASE Premium Food Grade Silicone Grease All formats: 500g, 1kg, 4kg		
Statement of Hazard Nature	Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances, New Organisms legislation.		
Proper Shipping Name	Not applicable		
Supplier Name	Arandee Ltd		
Address	108 Rockfield Road, Penrose, Auckland 1061, New Zealand		
Telephone	+64 (9) 579 5139		
Emergency	National Poisons Centre -24 hours	Australia	13 11 26
		New Zealand	0800 POISON 0800 764 766
E-mail	sales@arandee.co.nz		
Web Site	http://www.arandee.co.nz		
Synonym(s)	MAC Silicone, Grease		
Use(s)	Silicone grease designed for sealing, lubricating and waterproofing O-rings and plastic parts in manufacturing equipment. Non curing, stable a wide temperature range.		
Approval(s)	Ministry of Primary Industries approved		

2. HAZARDS IDENTIFICATION

UN Number	Not applicable
DG Class	Not applicable
HAZARD STATEMENT	Not applicable
PRECAUTIONARY STATEMENTS	Not applicable

3. HAZARDS IDENTIFICATION COMPOSITION OF INGREDIENTS

Ingredient	Formula	Concentration	CAS Number
POLYDIMETHYLSILOXANE	$C_2H_8O_2Si$		63148-62-9

4. FIRST AID MEASURES



Eye	Hold eyelids apart and flush continuously with water.
Inhalation	Fresh air and rest
Skin	Gently flush affected areas with water. Seek medical attention if irritation persists.
Ingestion	For advice, contact a Poisons Information Centre on 0800 764 766 (0800 POISON) or +64 9 579 5139 (New Zealand) or a doctor. If swallowed, DO NOT induce vomiting, as ingestion is considered unlikely, due to the product form.
Advice to Doctor	Treat symptomatically.
First Aid Facilities	Eye wash facilities should be provided.

5. FIRE FIGHTING MEASURES

Flammability	Eliminate ignition source.
Fire and Explosion	Foam.
Extinguishing	Foam.
HazChem	Not applicable

6. ACCIDENTAL RELEASE MEASURES

Spillage	Eliminate ignition source. Absorb any residues with sand or similar and place in clean container for disposal. DO NOT wash away in sewer.
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7. HANDLING AND STORAGE

Handling	Use safe work practices to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Keep out of the reach of children.
Storage	Store in a cool, dry, protected area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation	DO NOT directly inhale concentrated vapours. Use in well-ventilated areas.
Exposure Standards	Not applicable
Personal Protection Equipment	No personal protective equipment is required, normally. When an inhalation risk exists wear a Type A-Class P1 (Organic vapour and Particulate) Respirator. With prolonged use, wear PVC or rubber gloves and splash-proof goggles or safety glasses.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	OPAQUE GEL	Solubility (water)	NOT AVAILABLE
Odour	ODOURLESS	Specific Gravity	NOT AVAILABLE
pH	NOT AVAILABLE	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	NOT AVAILABLE
Vapour Density	> 1 (Air = 1)	Flash Point	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Upper Explosion Limit	NOT AVAILABLE
Boiling Point	NOT AVAILABLE	Lower Explosion Limit	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE	Auto-ignition Temperature	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Reactivity Do not mix with water, combustible.

Decomposition Products Do not mix with water, combustible

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary General population. The exposure of the general population is expected to be low and is not likely to present a hazard when it is used as recommended.
 Occupational exposure. With reasonable work practices, hygiene measures and Safety precautions is unlikely to be an occupational hazard.

Eye Low irritant. Contact may result in lacrimation, pain, redness, and conjunctivitis.

Inhalation Exposure considered unlikely, due to product form as an aerosol. Under normal conditions of use, ingestion is considered a highly unlikely, exposure route.

Skin Low irritant. Prolonged contact may result in irritation, redness, rash, dermatitis, and sensitisation.

Ingestion Exposure considered unlikely, due to product form as an aerosol. Under normal conditions of use, ingestion is considered a highly unlikely, exposure route.

12. ECOLOGICAL INFORMATION



Environment Ensure appropriate measures are taken to prevent this product from entering the environment through wastewater.

13. DISPOSAL CONSIDERATIONS

Waste Disposal For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. DO NOT puncture or incinerate aerosol cans. Contact the manufacturer for additional information.

Legislation Dispose of in accordance with relevant, local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG AND HSNO CODES.

15. REGULATORY INFORMATION

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Additional Information ASPHYXIANTS (1): reduce the oxygen concentration by displacement, when present in the atmospheres, in high concentrations. As most simple asphyxiants are odourless, atmospheres deficient in oxygen do not provide adequate sensory warning of danger. Therefore, it is not generally appropriate to recommend an exposure standard for each asphyxiant, but instead warn of the need to maintain oxygen concentrations.

Some asphyxiants may be given an exposure standard, due to their potential for narcotic effects at high concentrations, or an explosion hazard.

Asphyxiants (2) There is a significant hazard associated with workers entering poorly, ventilated areas (e.g., tanks) where oxygen levels may be deficient. An air supplied breathing apparatus may be required if adequate ventilation is not ensured. Refer to AS/NZS 2865 - Safe Working in a Confined Space.

Respirators In general, the best practice to avoid exposure is to use engineering controls, such as adequate ventilation, rather than the use of respirators (which should be limited).
If respiratory equipment must be worn, ensure correct respirator selection and training is undertaken. Some respirators may be extremely uncomfortable, when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

Abbreviations Mg/m³ - Milligrams per cubic metre
ppm - Parts Per Million
M - moles per litre, a unit of measure of concentration.
pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 – 14, where 0 is highly acidic and 14 is highly alkaline.



TWA/ES - Time Weighted Average or Exposure Standard.
CAS# - Chemical Abstract Service number - uniquely identifies chemical compounds.
CNS - Central Nervous System
NOS - Not Otherwise Specified
IARC - International Agency for Research on Cancer.

**Personal
Protective
Equipment**

The recommendations for protective equipment contained within this SDS report are provided as a guide only, when dealing with an abnormal situation. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before the final selection of personal protective equipment is made.

**Health Effects
from Exposure**

It should be noted that the effects from excess exposure to this product would depend on several factors, including duration of exposure, quantity involved, effectiveness of control measures used; protective equipment and method of application. Given that, it is impractical to prepare a SDS report, which would encompass all possible scenarios, it is anticipated that users will assess the risks in an emergency and apply appropriate control methods.

Report Status

This report is based upon information provided by ingredient manufacturers, and third-party experts. We believe that the information represents the current state of knowledge about safety and handling precautions that are appropriate for this product. Further clarification regarding any aspect of the product should be obtained directly from the Chief Chemist at Arandee Ltd. While Arandee has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy, or completeness. As far as lawfully possible, Arandee accepts no liability for any loss, injury, or damage (including consequential loss) which may be suffered, or incurred by any person, because of their reliance upon the information contained in this Safety Data Sheet.