

SAFETY DATA SHEET

Item Code: N0541 & N0545

Section 1.	Identification of the material and the supplier
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Item Code:	N0541 & N0545
Product:	Suniso 4GS
Product Use:	Refrigeration Oil
New Zealand Supplier:	Realcold Ltd
Address:	9 Prescott Street Penrose, Auckland
Telephone:	09 526 5700
Fax Number:	09 526 5721
Emergency Telephone:	09 526 5700 0800 766 764 (National Poison Centre)
Overseas Supplier:	Gordon Brothers Industries 21 Michael Street, Brunswick, Australia
Date of MSDS Preparation:	14 March 2017 – ver 2

Section 2.	Hazards Identification
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This substance has been determined by the manufacturer to be not hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

The manufacturer has had this product tested in accordance with IP346. This product contains less than 3%w/w DMSO extract for total polycyclic aromatics and is therefore non hazardous

Section 3.	Composition / Information on Ingredients
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Ingredients	Wt%	CAS NUMBER.
Refined Mineral Oil	100%	64742-52-5

Section 4.	First Aid Measures
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Routes of Exposure:

If in Eyes	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
If on Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
If Swallowed	DO NOT INDUCE VOMITING. Wash out mouth with water and give water to drink. Seek medical attention.
If Inhaled	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If symptoms develop seek medical attention.

Section 5. Fire Fighting Measures

Hazard Type	Combustible Liquid . Will burn in a fire
Hazards from decomposition products	Carbon monoxide and carbon dioxide
Suitable Extinguishing media	Use dry chemical, foam, water fog or carbon dioxide. Use water fog to cool fire-exposed containers. Do NOT use direct stream of water as this may assist in spreading fire.
Precautions for firefighters and special protective clothing	For fires involving this material, do not enter any enclosed or confined space without AS/NZS 1716 approved Self-contained breathing apparatus (S.C.B.A.) to protect against the hazardous effects of combustion products or oxygen deficiency.
HAZCHEM CODE	Not allocated

Section 6. Accidental Release Measures

Remove sources of ignition. Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing to minimise exposure. Cover spill with a generous amount of inert absorbent. Collect and place in a labelled disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a labelled disposable container. Prevent contamination of groundwater or surface water. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Section 7. Handling and Storage

Handling Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.

Storage Store in a cool, dry, well ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidising agents. Minimum feasible handling temperatures should be maintained.

Section 8 Exposure Controls / Personal Protection

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC).

However, Exposure Standards for oil mist are listed below.

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Oil mist		5		10

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

Engineering Controls

Natural ventilation should be adequate under normal conditions of use. Where vapours or mists are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

Personal Protection

Respirator:

Type (AS 1716) Where vapours, mists or spray is generated and exposure standards are exceeded, select and use respirators in accordance with AS/NZS 1715/1716. The use of the following is recommended: Approved respirator with dual organic vapour/mist filters. Filter capacity and respirator type depends on exposure levels for each individual circumstance.

Eye Protection:

If possibility of eye contact exists safety glasses with side shields or goggles should be worn as described in Australian Standard AS/ANZ 1337- Eye Protectors for Industrial Applications.

Glove Type:

Neoprene rubber gloves should be worn to minimise skin contact.

Clothing:

Any routine contact with this material should require the use of protective clothing such as an apron made of neoprene rubber suitable for the application.

Section 9 Physical and Chemical Properties

Appearance	Clear pale yellow liquid
Odour	Slight Odour
Flash Point	>170°C (COC)
Boiling Point	Not available
Lower & Upper Flammability Limits	Not available
Auto-ignition Temperature	Not available
Vapour Pressure	<0.03Pa@25°C
Specific Gravity	0.91
Solubility in Water	Insoluble
Vapour Density	>10 (air = 1)

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions of storage and handling
Conditions to Avoid	Strong oxidising agents
Hazardous Decomposition Products	Oxides of carbon

Section 11 Toxicological Information

Acute toxicity:	LD50 (dermal mouse) 5000 mg /kg
Acute - If Swallowed :	May cause irritation of the gastrointestinal tract with nausea, vomiting and diarrhoea.
Acute - Eye:	Eye contact may cause mild irritation with redness, stinging and tearing.
Acute - Skin:	May dry and defat the skin, resulting in skin irritation and possible dermatitis.
Acute - Inhaled:	Inhalation of vapours or mists generated in confined, poorly ventilated areas or at elevated temperatures, may cause respiratory system irritation, headache, dizziness and nausea.
Hazards Identification Chronic:	Prolonged or repeated contact may result in skin irritation leading to dermatitis

Section 12. Ecotoxicological Information

This material must not be allowed to enter drains, sewers or waterways.

Section 13. Disposal Considerations

Dispose of waste according to local regulations. Assure conformity with all applicable regulations.

Section 14 Transport Information

Not Classified as a Dangerous Good for transport in NZ ; (NZS 5433:2007)

Section 15 Regulatory Information

This substance is not hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

This document has been issued by Realcold Limited and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Realcold Limited or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Realcold Limited have 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, Realcold Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, Realcold Ltd, if further information is required.

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Review Date: 29 November 2016