

SAFETY DATA SHEET

Item Code: N0582 & N0583

Section 1. Identification of the material and the supplier

Item Code: N0582 & N0583
 Product: Emkarate RL 68H
 Product Use:

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)

Manufacturer: Parker Hannifin (Australia)
 9 Carrington Road, Castle Hill, NSW, Australia

Date of MSDS Preparation: 14 March 2107 – ver 2

Section 2. Hazards Identification

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

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Polyol ester with antioxidant	100%	Not available

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

If on Skin Remove all clothing from affected area. Wash skin with running water and mild soap. Wash removed clothing before reuse or discard. If irritation develops, seek medical attention.

If Swallowed Do NOT induce vomiting. Immediately wash out mouth with water. Give one or two glasses of water to drink. Seek medical attention.

If Inhaled If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Section 5. Fire Fighting Measures

Hazard Type	Combustible Liquid
Hazards from decomposition products	Thermal decomposition of this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Suitable Extinguishing media	Water fog, foam, carbon dioxide, dry chemical.
Precautions for firefighters and special protective clothing	Under fire conditions, product containers may rupture/explode. Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Wear appropriate breathing apparatus and full protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert absorbent onto material. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Mop up the remaining material and place into the same container. 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 Wear appropriate protective equipment to prevent exposure. Prevent the formation of vapours or mist in the work atmosphere. Keep containers closed when not in use. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Storage Store in a cool, dry, well ventilated area away from sources of ignition. The product should be stored away from foodstuffs and incompatible materials. Keep containers tightly closed.

Material is highly hygroscopic

Section 8 Exposure Controls / Personal Protection

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

Engineering Controls Where mists or vapours may be generated, proper ventilation must be provided. Local exhaust ventilation may be required in inadequately ventilated areas.

Personal Protection

Respiratory Protection Not normally required, however, if there is inadequate ventilation, respiratory protective equipment should be used. Reference should be made to AS/ANS 1715- Selection, Use and Maintenance of Respiratory Protective Devices; and AS/ANS 1716- Respiratory Protective Devices.

Eye Protection	Safety glasses with side shields or goggles as appropriate should be worn. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Chemical impervious gloves should be worn. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective clothing should be worn. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Odour	Mild Odour
Boiling Point	>250°C
Vapour Pressure	<10mmHg at 20°C
Flash Point	270°C (coc)
Specific Gravity	0.977
Solubility in Water	Insoluble

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions of storage and handling.
Conditions to Avoid	
Incompatible Materials	Oxidising agents
Hazardous Decomposition Products	Thermal decomposition of this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide

Section 11 Toxicological Information

No toxicity data are available for this specific product.

Inhalation;	Inhalation may result in irritation of the mucous membrane and upper airways. Symptoms may include nausea, headaches, dizziness, coughing and breathing difficulties.
Ingestion:	May cause irritation to the mouth, oesophagus and stomach if ingested in large quantities. Symptoms may include nausea, headaches, vomiting and abdominal pain.
Skin	May cause irritation in contact with the skin, which may result in redness and itchiness.
Eye	May cause irritation in contact with the eyes, which may result in redness and lachrymation.
Chronic Effects	Not available

Section 12. Ecotoxicological Information

No ecotoxicity information is available for this product.

Do not allow product to enter drains, waterways or sewers.

Section 13. Disposal Considerations

The disposal of the spilled or waste material must be done in accordance with applicable local and national 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.

Disclaimer

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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