

SAFETY DATA SHEET

Item Code: N0579/80/81

Section 1.	Identification of the material and the supplier
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Item Code:	N0579/80/81
Product:	Emkarate RL 32-3 MAF
Product Use:	Lubricant
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:	Lubrizol CPI Engineering Services, Inc 2300 James Savage Road Midland, MI 48642, USA
Date of MSDS Preparation:	14 March 2017 Ver 2

Section 2.	Hazards Identification
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This substance has been determined by the USA manufacturer to be not hazardous.

Therefor it is not likely to be hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

Section 3.	Composition / Information on Ingredients
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Ingredients	Wt%	CAS NUMBER.
Polyol ester	>99%	Not available
Additives	<1%	Not available

Section 4.	First Aid Measures
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Routes of Exposure:

If in Eyes	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
If on Skin	Remove contaminated clothing and wash skin with warm soapy water. Do not scrub. If swelling, redness, blistering or irritation occurs, get medical assistance
If Swallowed	If swallowed, call a physician immediately. DO NOT INDUCE VOMITING. Give one or two glasses of water to drink. Never give anything by mouth to an unconscious person.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazards from decomposition products	None known
Suitable Extinguishing media	Water fog, alcohol foam, carbon dioxide, dry chemical.
Precautions for firefighters and special protective clothing	A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Contain spill. Soak up material with absorbent and shovel into a chemical waste container. Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility.

Section 7. Handling and Storage

Handling Prevent eye contact. Prevent skin contact. Avoid breathing this material. Do not swallow.
Storage 10-21°C. Store in original containers.

Section 8 Exposure Controls / Personal Protection

Engineering controls Provide adequate ventilation.
Eye protection Chemical tight goggles.
Protective clothing Impervious gloves.
Respiratory protection Respiratory protection is not normally needed if controls are adequate.

Other Eyewash and safety shower easily accessible to work area.

Section 9 Physical and Chemical Properties

Appearance Liquid
Odour Clear and Yellow
Flash Point >200°C
Boiling Point not known
Specific Gravity approximately 1
Solubility (water) Insoluble

Section 10. Stability and Reactivity

Stability of Substance Stable under normal conditions
Conditions to Avoid None

Incompatible Materials Strong oxidising agents
Hazardous Decomposition Products Carbon dioxide, carbon monoxide

Section 11 Toxicological Information

Routes of Exposure: Eye contact, Skin contact, Inhalation

Eye contact May cause eye irritation

Skin contact Short contact periods with human skin are not usually associated with skin irritation. Repeated contact can result in slight skin irritation. Prolonged contact can result in slight skin irritation. Systemically toxic concentrations of this product will probably not be absorbed through human skin.

Inhalation High concentrations of mists or aerosols may irritate respiratory passages. No toxic effects are known to be associated with inhalation of this material.

Ingestion In humans, irritation of the mouth, pharynx and esophagus can develop following ingestion of this product.
No toxic effects are expected following ingestion of this product

Section 12. Ecotoxicological Information

Not known to be hazardous to the environment

Section 13. Disposal Considerations

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal. Dispose of according to local authorities.

Section 14 Transport Information

Not classified as a Dangerous Good for transport in NZ ; NZS 5433:2007

Section 15 Regulatory Information

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

Section 16 Other Information

Information provided by the USA distributor of this product in their Safety Data Sheet was insufficient to assess its hazardous classification under the HSNO Classification Regulations 2001

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

Product Name: Emkarate RL 32-3MAF Item No: N0579/80/81
Date of MSDS: 14 May 2012

Issued by: Realcold Ltd
Tel: 64 9 526 5700

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

The information herein is given in good faith, but no warranty, express or implied is made.

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

Issue Date: 14 May 2012

Review Date: 14 May 2017