

EMKARATE[®] RL 220H

Date Revised: Feb, 2008

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Address/Telephone number Lubrizol
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Use Lubricant

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product description Polyol ester

Hazardous Ingredients

Chemical name	EINECS Number	%	Symbol R-Phrases
Contains no Hazardous Ingredients (2001/58/EC)			

3. HAZARDS IDENTIFICATION

This health hazard assessment is based on information available on similar products.

Eye contact	May cause mild eye irritation.
Skin contact	May cause skin irritation.
Inhalation	This material may cause irritation following inhalation.

EMKARATE[®] RL 220H

Date Revised: Feb, 2008

SAFETY DATA SHEET

Ingestion May cause irritation of the gastrointestinal tract. Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.

4 FIRST AID MEASURES

Eye contact Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.

Skin contact Remove contaminated clothing. Wash skin with soap and water. If symptoms develop, obtain medical attention.

Inhalation Remove patient from exposure. Obtain medical attention if ill effects occur.

Ingestion Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention if ill effects occur.

Further Medical Treatment Symptomatic treatment and supportive therapy as indicated.

5 FIRE-FIGHTING MEASURES

Extinguishing Media Water fog, alcohol foam, carbon dioxide, dry chemical.

Unsuitable Extinguishing Media None known

Special fire-fighting protective equipment A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

Fire and explosion hazards Combustible but not readily ignited.

Explosion data

Sensitivity to mechanical impact: No data.

Sensitivity to static discharge: No data.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions Refer to section 8 for proper personal protective equipment

Environmental precautions Do not allow to enter drains, sewers or watercourses.

Methods for cleaning up Contain spillages with sand, earth or any suitable adsorbent material.
Transfer to a container for disposal. Wash the spillage area clean with water and detergent.

Other information Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

EMKARATE[®] RL 220H

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SAFETY DATA SHEET

7. HANDLING AND STORAGE

Handling	Prevent skin contact. Avoid breathing this material. Provide adequate ventilation. Do not swallow.
Storage	Store in original containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Chemical name	Exposure limit values	Notes
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No Workplace Exposure Limit Assigned.

Engineering measures	Provide adequate ventilation.
Eye protection	Safety glasses with side shields.
Skin protection	Good working practice suggests gloves should be worn.
Respiratory protection	Respiratory protection is not required if good ventilation is maintained.
Other	Eyewash and safety shower easily accessible to the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Values are not product specifications.

Colour	Straw
Form	Liquid
Odour	Mild
pH	No data.
Boiling point/boiling range (°C)	No data.
Flash Point (°C)	280 (open cup)
Autoignition Temperature (°C)	No data.
Flammable Limits	No data.
Explosive Properties	No data.
Oxidising Properties	No data.
Vapour Pressure (hPa)	No data
Solubility in water	Slightly soluble
Solubility in other ingredients	No data.
Partition Coefficient	No data.
Density (g/ml)	0.976 @ 20 °C
Melting point/melting range (°C)	No data.
Pour Point (°C)	-15

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SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Materials to avoid	Strong oxidising agents.
Conditions to avoid	None known
Hazardous decomposition products	None known
Hazardous polymerisation	Will not occur

11. TOXICOLOGICAL INFORMATION

This health hazard assessment is based on information available on similar products.

Eye contact	May cause mild eye irritation.
Skin contact	Repeated or prolonged skin contact may result in mild irritation. Unlikely to cause skin sensitisation.
Ingestion	By analogy it is considered that this product is of low oral toxicity.
Long Term Exposure	No information available.

12. ECOLOGICAL INFORMATION

This environmental hazard assessment is based on information available on similar products.

Mobility	The substance is essentially insoluble in water.
Ecotoxicity	Expected to be of low toxicity to aquatic life.

13. DISPOSAL CONSIDERATIONS

Methods of Disposal	Disposal should be in accordance with local, state or national legislation.
Contaminated packaging	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 before disposal.

14. TRANSPORT INFORMATION

Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA-DGR.

EMKARATE[®] RL 220H

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SAFETY DATA SHEET

15. REGULATORY INFORMATION

Not Classified as Dangerous for Supply/Use.

WGK 1

Inventory Status

EU (EINECS/ELINCS/NLP)	Compliant.
USA (TSCA)	Compliant.
Canada (DSL)	Compliant.
Australia (AICS)	Compliant.
Japan (ENCS)	Compliant.
Japan (ISHL)	Compliant.
China (IECSC)	Compliant.
Korea (ECL)	Compliant.
Philippines (PICCS)	Compliant.

16. OTHER INFORMATION

This data sheet was prepared in accordance with Directive (EC) 1907/2006.

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