

EMKARATE RL 32H
Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION

PRODUCT: EMKARATE RL 32H

CAT. NO.: LE32H1, LE32H5, LE32H55

PACKED & DISTRIBUTED BY:

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SECTION II - HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)

EXPOSURE LIMITS: 8 HR. TWA
OSHA PEL **ACGIH TLV**

Polyol ester with antioxidant*

NE

NE

* Ingredients not precisely identified are proprietary or nonhazardous.

SECTION III - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW: WARNING! Harmful if swallowed. Skin and eye irritant.

POTENTIAL HEALTH EFFECTS:

INHALATION: No toxic effects are expected. High concentrations of mist may be irritating to upper respiratory tract.
EYE CONTACT: May cause irritation following contact.
SKIN CONTACT: Repeated or prolonged contact may cause mild irritation. May aggravate pre-existing skin disorders.
INGESTION: This material is slightly toxic. Irritation of gastrointestinal tract may develop following ingestion.

CHRONIC Effects: None known

NOTE:

CARCINOGENICITY: LISTED IN NTP? No IARC? No OSHA Regulated? No

SECTION IV - FIRST AID MEASURES

INHALATION: Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult a physician.
EYE CONTACT: Immediately flush with plenty of water for 15 minutes. If redness, itching, or a burning sensation develops, get medical attention.
SKIN CONTACT: Wash material off of skin with plenty of soap and water. If redness, itching, or burning sensation develops get medical attention. Wash clothes before reuse.
INGESTION: DO NOT INDUCE VOMITING. Give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult a physician.

SECTION V - FIRE FIGHTING MEASURES

FLASHPOINT (TEST METHOD): 518 F, 270 C (COC)
FLAMMABLE LIMITS: **LOWER:** NAP **UPPER:** NAP
AUTOIGNITION TEMPERATURE: ND

GENERAL HAZARD:

FIRE FIGHTING INSTRUCTIONS: Approach fire from upwind side. Avoid breathing smoke, fumes, mist or vapors on downwind side. Firefighters wear protective clothing and self contained breathing apparatus.

EXTINGUISHING MEDIA: Water fog, foam, carbon dioxide, dry chemical, halogenated agents.

HAZARDOUS COMBUSTION PRODUCTS: Smoke and fumes, carbon monoxide, carbon dioxide.

SECTION VI - ACCIDENTAL RELEASE MEASURES

LAND SPILL: Wear skin and respiratory (if mist or vapors are present) protection during cleanup. Contain spill. Keep out of sewers and drains. Soak up material with absorbent and shovel into a chemical waste container.

WATER SPILL: Notify proper authorities.

Clean up leaks/spills immediately to prevent soil or water contamination.

SECTION VII - HANDLING AND STORAGE

HANDLING: Product is highly hygroscopic. Keep container closed tightly.

STORAGE: Follow normal storage practices. No special storage requirements necessary.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation is recommended.

PERSONAL PROTECTION: Use chemical impervious gloves and apron, chemical goggles or full face shield. Respiratory protection is not normally needed under proper conditions of use and storage. Use MSHA - NIOSH approved respirator for organic vapors, dust and mists whose TLV is greater than 0.05 mg/m³.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE @ 20 C: <10 mmHg

SPECIFIC GRAVITY (H₂O=1): 0.977

SOLUBILITY IN WATER: Insoluble

pH: NAP

BOILING POINT: No data

APPEARANCE & ODOR: Liquid with mild odor.

VAPOR DENSITY (Air=1): NA

EVAPORATION RATE (H₂O=1): NAP

VOC (LB/GAL): NAP

FREEZING POINT: NA

SECTION X - STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

MATERIALS TO AVOID: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: From combustion: smoke, carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

From preparation similar to polyol ester with antioxidant LD50: >2000 mg/kg (oral - rat)

SECTION XII - ECOLOGICAL INFORMATION

ND

SECTION XIII - DISPOSAL CONSIDERATIONS

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not regulated.

HAZARD CLASS: NA

IDENTIFICATION NUMBER: NA

DOT Emergency Guide #: NA

Reportable Quantity (RQ): NA

International: NA

SECTION XV - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): Not listed.

SARA TITLE III (Superfund Amendments and Reauthorization Act): Not listed.

CALIFORNIA PROPOSITION 65: Not listed.

SECTION XVI - OTHER INFORMATION

State Right-to-Know Programs: Not listed.

NFPA Ratings

Health: 1

Flammability: 1

Reactivity: 0

HMIS Protective Equipment: X See your supervisor

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