

EMKARATE RL 32HB (revised September 2007)

Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION**PRODUCT:** EMKARATE RL 32HB**CAT. NO.:** LE32HBQ, LE32HB1, LE32HB5**PACKED & DISTRIBUTED BY:****TELEPHONE NUMBERS:**

Sporlan Division-Parker Hannifin Corporation

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Emergency Only: 1-(800) 424-9300

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SECTION II - HAZARDOUS INGREDIENTS**OSHA Hazardous Components (29 CFR 1910.1200)****EXPOSURE LIMITS: 8 HR. TWA**

Polyol Ester (New Jersey TSR 8306620-5445P)

OSHA PEL**ACGIH TLV**

Tricresyl phosphate (CAS# 1330-78-5)

Not listed

Not listed

*** (TCP containing < 0.1% ortho isomer)

Not listed

Not listed

Antioxidant

Not listed

Not listed

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. Ideal storage temperature is 60 to 100 degrees F.**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS:** Local exhaust ventilation is recommended.

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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: < 1%

pH: NAP

BOILING POINT: No data

APPEARANCE & ODOR: Pale yellow, clear 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

Persistence and degradation: Not determined. Effect on effluent treatment: Not determined.

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 material, liquid

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

Prepared by: Sporlan Division-Parker Hannifin Corporation

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