

EMKARATE (TM) RL 32s
ICI GENERAL CHEMICALS
MSDS ID: 37790

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

ICI Americas Inc.
Concord Plaza, 3411 Silverside Rd..
P.O. Box 15391
Wilmington, Delaware 19850

ICI Operator (24 hr.): (302) 887-3000
Medical Emergency (24 hr.): (800) 228-5635 Extension 181
Chemical Emergency (24 hr.) Involving Transportation
Spills, Leaks, Fires, Accidents: (800) 424-9300

Material name: EMKARATE RL 32S

Hazard summary (as defined by OSEIA Hazard Comm. Std., 29 CFR 1910.1200):
Physical hazards: None
Health hazards: Irritant (skin, respiratory passages)

Read the entire MSDS for a more thorough evaluation of the hazards.

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

Polyol ester with antioxidant

OSHA PEL
Not listed

Ingredients not precisely identified are proprietary or nonhazardous.
Values are not product specifications.

SECTION 3 PHYSICAL DATA

Appearance and odor: liquid
Boiling point: 482 deg. F, 250 deg. C
Vapor pressure (mm Hg at 20 deg. C): <10
Vapor density (air = 1): No data
Solubility in water: No data
pH: No data
Specific gravity: 0.9725 (15 deg. C/15 deg. C)
% Volatile by volume: No data

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash point: 392 deg. F, 200 deg. C (PMCC)
Autoignition temperature: No data
Flammable limits (STP) : No data

Extinguishing media:
Water fog, foam, carbon dioxide, dry chemical, halogenated agents.

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SECTION 4 FIRE AND EXPLOSION HAZARD DATA (Cont.)

Use water with care to avoid possible violent production Of **steam**.

Special fire fighting protective equipment:

Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:

None **known**.

SECTION 5 REACTIVITY DATA

Stability:

Stable under normal conditions.

Incompatibility:-

Oxidizing agents.

Hazardous decomposition products:

Combustion products: Carbon dioxide, carbon monoxide.

Hazardous polymerization:

Will not occur.

SECTION 6 HEALTH HAZARD ASSESSMENT

General :

Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

Ingestion:

The **acute** oral LD50 in rat is above 2,000 mg/kg. **Relative** to other materials, this material is classified as "slightly **toxic**" by ingestion.

Eye contact:

This material is nonirritating in rabbit eye irritation studies; no irritation is likely to occur after human eye contact.

Skin contact:

This material is mildly irritating in rabbit **dermal** irritation studies. Short contact periods with human skin will probably not produce irritation. Irritation can develop following repeated and/or prolonged contact with human skin. This material was not a skin sensitizer in animal testing. The potential is low for developing sensitization following contact with human skin.

Skin absorption:

This product will probably not be absorbed through human skin.

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SECTION 6 HEALTH HAZARD ASSESSMENT (Cont.)

Inhalation:

Inhalation data are not available on this material. Vapors and aerosols will probably irritate respiratory passages.

other effects of overexposure:

No other adverse clinical effects have been associated with exposures to this material.

First aid procedures:

Skin: Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Eyes: Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes, examined and treated by medical personnel.

Ingestion: Do not induce vomiting. Give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

Inhalation: Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

SECTION 7 SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Wear skin and respiratory protection during cleanup. Contain spill. Keep out of sewers and drains, Soak up material with absorbent and shovel into a chemical waste container.

Disposal method:

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

Container disposal:

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.

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SECTION 8 SPECIAL PROTECTION INFORMATION

TLV(R) or suggested control value:

No ACGIH TLV or OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice.

Ventilation:

Use ventilation adequate to maintain **safe** levels.

Respiratory protection:

Use **MSHA-NIOSH** approved respirator for organic vapors, dusts and mists whose TLV is greater than 0.05 **mg/m3**.

Protective clothing:

Impervious gloves and apron.

Eye protection: .

Chemical tight goggles.

Other protective equipment;

Eyewash station and safety shower in work area.

SECTION 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS

Special precautions of other comments:

Prevent skin contact. Avoid breathing vapors or aerosols. Store in tightly sealed containers to protect from atmospheric moisture. Store in a cool area.

SECTION 10 REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40CFR 710:

All ingredients are on the TSCA Chemical Substance Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

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

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the last issue date.