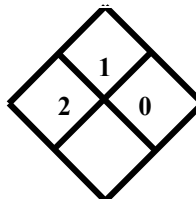


**DISTRIBUTED BY FREEMAN MFG & SUPPLY CO. 800-321-8511**

24-Hour Emergency Phone: 1-888-354-3323

**Effective Date:** 1/20/04**Material Safety Data Sheet**

MSDS No: 32350

**1. PRODUCT IDENTIFICATION****Trade Name:** Ren 6463 Fast**Chemical Family:** Polyol

NFPA RATING

<b>Health:</b>	<b>2</b>
<b>Flammability:</b>	<b>1</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	

HMIS RATING

**Synonyms:**

LST 73-714 Fast Hardener

RP 6463 Fast Hardener

**Intended Use or Product Type:** Fast hardener for crystal clear polyurethane system**2. COMPOSITION / INFORMATION ON INGREDIENTS****OSHA Hazardous Ingredients:** The components of this product are not considered to be hazardous as defined by the OSHA Hazard Communication Standard (CFR 1910.1200).

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	52624-57-4	Oxirane, Methyl-, Polymer with Oxirane, Ether with 2-Ethyl-2-(Hydroxymethyl)-1,3-Propanediol (3:1) Polyether polyol  Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
*	9051-49-4	Poly(Oxy(Methyl-1,2-Ethanediy)), .alpha.-Hydro-.omega.-Hydroxy, Ether with 2,2-Bis(Hydroxymethyl)-1,3-Propanediol (4:1) Polyether polyol  Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
*	25723-16-4	Poly[Oxy(Methyl-1,2-Ethanediy)], alpha-Hydro-omega-Hydroxy-, Ether with 2-Ethyl-2-(Hydroxymethyl)-1,3-Propanediol Trimethylol propane based polyol  Common Name:	NE	NE	NE	NE	NE	NR	NR	NR

\* = OSHA Hazardous Ingredient

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Causes eye, skin, and respiratory irritations.

**Primary Route(s) of Entry:** Dermal; heated product may produce inhalable vapors.

### 4. FIRST AID MEASURES

**Ingestion:** If conscious, give 2 - 4 glasses of water to drink. Do not induce vomiting. Call a physician.

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

**Inhalation:** Remove to fresh air. Call a physician.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Call a physician.

**Overexposure Effects:** Causes eye, skin, and respiratory irritations.

**Medical Conditions Aggravated by Exposure:** Skin, eye and pulmonary conditions.

**Additional Information:** Referral to a physician is recommended if there is any question about the seriousness of any injury.

### 5. FIRE FIGHTING MEASURES

**Flash Point:** > 200°F (> 93 °C)

**Flash Point Method Used:** Estimated

**Flammable Limits in Air (Lower - % by volume):** Not established

**Flammable Limits in Air (Upper - % by volume):** Not established

**Fire Fighting Extinguishing Media:** Carbon dioxide, dry chemical, foam, water.

**Fire Fighting Equipment:** Use self-contained breathing apparatus.

**Fire and Explosion Hazards:** Decomposition and combustion products may be toxic.

### 6. ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Remove spillage by absorbing in absorbent material.

### 7. HANDLING AND STORAGE

**Signal Word:** Warning!

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**Precautions:** Causes irritation if inhaled and can cause skin irritation and eye irritation. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.

**Other Handling Information:** Nuisance dust may be generated when sanding or sawing cured material.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Skin Protection:** Wear impermeable gloves.

**Respiratory Protection:** Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.

**Eye Protection:** Wear splash-proof chemical goggles.

**Engineering Controls:** General mechanical and local exhaust in accordance with ACGIH recommendations.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	Clear, colorless
<b>Odor:</b>	Slight
<b>Physical State:</b>	Liquid
<b>Solubility in Water:</b>	Slight
<b>Vapor Pressure:</b>	Not Determined
<b>Specific Gravity:</b>	1.04 (water = 1)
<b>Boiling Point:</b>	Not Determined
<b>Evaporation Rate:</b>	Not Determined
<b>Vapor Density:</b>	Not Determined
<b>VOC:</b>	0 g/L
<b>pH:</b>	Not Determined

**Percent Volatile:** Negligible.

## **10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Excessive heat for prolonged periods of time.

**Stability:** Stable.

**Incompatibility:** Strong oxidizers, acids and bases.

**Hazardous Decomposition Products:** Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

**Hazardous Polymerization:** Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

**Acute Inhalation Exposure Effects:** Respiratory irritant.

**Skin Irritation:** Irritant.

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Eye Irritation: Irritant.

**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

**Additional Information:** Disposal of Cured Product: This product when cured may contain very small quantities of organic mercury compounds. It is the responsibility of the user to determine if the selected disposal method complies with applicable regulations.

**14. TRANSPORT INFORMATION****DOT: Non-Bulk****Proper Shipping Name:** Resin compounds, N.O.I.

**Department of Transportation:** Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.101 hazardous materials table.

**15. REGULATORY INFORMATION****US Federal Regulations:**

**Occupational Safety and Health Act (OSHA):** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA hazard Communication Standard 29 CFR 1910.1200. This product is not considered to be a hazardous chemical under that standard.

**Resource Conservation and Recovery Act (RCRA):** D 009 contains mercury.

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

**TSCA Section 8(b) - Inventory Status:** Chemical components listed on TSCA Inventory.

**TSCA Section 12(b) - Export Notification:** This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

**State Regulations:**

**Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: Poly[Oxy(Methyl-1,2-Ethanediy)], alpha-Hydro-omega-Hydroxy-, Ether with  
2-Ethyl-2-(Hydroxymethyl)-1,3-Propanediol

Common Name: Trimethylol propane based polyol

CAS Number: 25723-16-4

Comment: Not on Pennsylvania Hazardous Substance List

Effective Date: 1/20/04

Chemical Name: Poly(Oxy(Methyl-1,2-Ethanediy)), .alpha.-Hydro-.omega.-Hydroxy, Ether with  
2,2-Bis(Hydroxymethyl)-1,3-Propanediol (4:1)  
Common Name: Polyether polyol  
CAS Number: 9051-49-4  
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Oxirane, Methyl-, Polymer with Oxirane, Ether with 2-Ethyl-2-(Hydroxymethyl)-1,3-Propanediol (3:1)  
Common Name: Polyether polyol  
CAS Number: 52624-57-4  
Comment: Not on Pennsylvania Hazardous Substance List

## **16. OTHER INFORMATION**

**MSDS No:** 32350  
**Approved By:** Kenneth L. Payne  
**Title:** E,H&S Manager

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