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Effective Date: 10/13/04

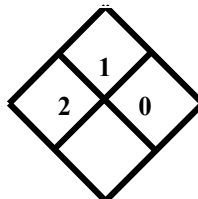
Material Safety Data Sheet

MSDS No: 6101

1. PRODUCT IDENTIFICATION

Trade Name: Ren 6403-1

Chemical Family: Polyol



NFPA RATING

Health:	2
Flammability:	1
Reactivity:	0
Personal Protection:	

HMIS RATING

Synonyms:

RP 6403-1 Hardener

TDT 178-76 Hardener

Intended Use or Product Type: Polyol hardener**2. COMPOSITION / INFORMATION ON INGREDIENTS**

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	107-21-1	1,2-Ethanediol Common Name: Ethylene glycol	NE	100 mg/m3	NE	NE	NE	NR	NR	NR
*	120-07-0	Ethanol, 2,2'-(Phenylimino)bis-N,N-Hydroxyethyl aniline Common Name:	NE	NE	NE	NE	NE	NR	NR	NR

* = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Causes skin and eye irritation.
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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.

Effective Date: 10/13/04

Skin: Immediately wash with soap and water. Remove contaminated clothing and laundry 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 skin and eye irritation.

Medical Conditions Aggravated by Exposure: Skin and eye 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:	> 230°F (> 110 °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!

Precautions: Can cause skin and eye irritation. Avoid contact with eyes, skin, and clothing. 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.

Effective Date: 10/13/04

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Off White
Physical State:	Liquid
Solubility in Water:	Slight
Vapor Pressure:	Not Determined
Specific Gravity:	1.06 (water = 1)
Boiling Point:	Not Determined
Evaporation Rate:	Not Determined
Vapor Density:	Not Determined
VOC:	63.07 g/L
pH:	Not Determined

Percent Volatile: Less than 1%.**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****Skin Irritation:** Irritant.**Eye Irritation:** Irritant.**Teratogenicity:** Contains Ethylene glycol. An inhalation teratology study has confirmed that ethylene glycol is teratogenic in CD-1 mice. Fetotoxicity was present at 1,000 and 2,500 mg/m as evidenced by reduced body weights and reduced ossification at numerous skeletal districts. Teratogenicity was demonstrated at 1,000 and 2,500 mg/m³ as evidenced by a significantly increased incidence of malformations.**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**

Effective Date: 10/13/04

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 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 contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material.Chemical Name: 1,2-Ethanediol
Common Name: Ethylene glycol
Percent in Composition: 5.95 % by wt
Comment:**TSCA Section 8(b) - Inventory Status:** All chemical components of this product are in compliance with TSCA inventory requirements.**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:****California Proposition 65:** The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:Chemical Name: Mercury catalyst
CAS Number: Held confidential by our supplier
Percent in Composition: 0.26 % by wt
Comment: Warning! This chemical is known to the State of California to cause birth defects or other reproductive harm.Chemical Name: 2- Propenenitrile
Common Name: Acrylonitrile
CAS Number: 107-13-1
Percent in Composition: 0.0022 % by wt
Comment: Warning! This chemical is known to the State of California to cause cancer.**Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: Polymer Polyol

Effective Date: 10/13/04

CAS Number: Confidential

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Ethanol, 2,2'-(Phenylimino)bis-

Common Name: N,N-Hydroxyethyl aniline

CAS Number: 120-07-0

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: 1,2-Ethanediol

Common Name: Ethylene glycol

CAS Number: 107-21-1

Comment: Environmental Hazardous Substance

16. OTHER INFORMATION**MSDS No:**

6101

Approved By:

Dianne Blessing

Title:

EH&S Specialist

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