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Effective Date: 2/18/04

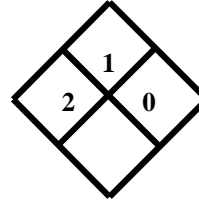
Material Safety Data Sheet

MSDS No: 34861

1. PRODUCT IDENTIFICATION

Trade Name: Ren 6493

Chemical Family: Polyol and Amine Blend



NFPA RATING

| | |
|----------------------|----|
| Health: | 2* |
| Flammability: | 1 |
| Reactivity: | 0 |
| Personal Protection: | |

HMIS RATING

Intended Use or Product Type: Polyurethane casting system

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 | | | | |
| * | 25190-06-1 | Poly(Oxy-1,4-Butanediyl), alpha-hydro-omega-hydroxy-PTMEG Common Name: | NE | NE | NE | NE | NE | NR | NR | NR |
| * | 102093-68-5 | 1,3-Benzenediamine, 4-Methyl-2,6-bis(Methylthio) Di-(methylthio) toluenediamine Common Name: | NE | NE | NE | NE | NE | NR | NR | NR |
| * | 104983-85-9 | 1,3-Benzenediamine, 2-Methyl-4,6-bis(Methylthio)- Di-(methylthio) toluenediamine Common Name: | NE | NE | NE | NE | NE | NR | NR | NR |

* = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Can cause skin irritation and eye irritation. May be harmful if swallowed.

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

Chronic: Overexposure may have effects on kidney and liver.

4. FIRST AID MEASURES

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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: Can cause skin irritation and eye irritation. May be harmful if swallowed.

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: | > 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!

Precautions: Can cause skin irritation and eye irritation. May be harmful if swallowed. Avoid contact with eyes, skin, and clothing. Avoid tasting or swallowing. Wash thoroughly after handling. Notice! Overexposure may have effects on kidney and liver.

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.

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Eye Protection: Wear splash-proof chemical goggles.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|-------------------------|
| Color: | White |
| Odor: | Typical |
| Physical State: | Liquid |
| Vapor Pressure: | Not Determined |
| Specific Gravity: | 0.96 - 0.97 (water = 1) |
| Boiling Point: | Not Determined |
| Evaporation Rate: | Not Determined |
| Vapor Density: | Not Determined |
| pH: | Not Determined |

Percent Volatile: Not Determined

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 Oral Effects (LD50): Component(s) are slightly toxic, 500 - 5000 mg/kg (rat).

Skin Irritation: Irritant.

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.

14. TRANSPORT INFORMATION

DOT: Non-Bulk

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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): Not a hazardous waste under RCRA (40 CFR 261).

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: 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: 2- Propenenitrile

Common Name: Acrylonitrile

CAS Number: 107-13-1

Percent in Composition: 0.0003 % 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: Hexanedioic acid, bis(2-ethylhexyl) ester

Common Name: Dioctyl adipate

CAS Number: 103-23-1

Comment: Environmental Hazardous Substance

Chemical Name: Poly(Oxy-1,4-Butanediyl), alpha-hydro-omega-hydroxy-

Common Name: PTMEG

CAS Number: 25190-06-1

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Polymer Polyol

CAS Number: Confidential

Comment: Not on Pennsylvania Hazardous Substance List

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16. OTHER INFORMATION

MSDS No: 34861
Approved By: Dianne Blessing
Title: EH&S Specialist

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