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Effective Date: 8/8/05

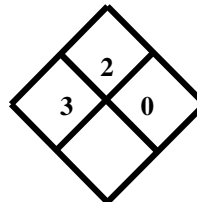
Material Safety Data Sheet

MSDS No: 6068

1. PRODUCT IDENTIFICATION

Trade Name: Ren 3266

Chemical Family: Amine



NFPA RATING

Health:	3
Flammability:	2
Reactivity:	0
Personal Protection:	

HMIS RATING

Synonyms:

RP 3266 Hardener

Intended Use or Product Type: Casting 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				
*	112-24-3	1,2-Ethanediamine, N,N'-bis(2-aminoethyl)- Triethylenetetramine Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
*	68082-29-1	Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and triethylenetetramine Polyamide Resin Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
*	68441-70-3	1,2-Ethanediamine, N,N'-Bis(2-Aminoethyl)-, Propoxylated Propoxylated triethylene tetramine Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
*	70955-17-8	Aromatic Hydrocarbons, C12 - C20 Aromatic hydrocarbons Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
*	8002-09-3	Oils, Pine	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Combustible. Corrosive - Causes eye burns and skin irritation.

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

Chronic: This product contains aromatic hydrocarbons. Similar aromatic oils have been found to produce skin cancer in animals. Compounds naturally present in this product are known to cause cancer in animals.

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: Corrosive - causes eye burns. Causes skin 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:	193°F (89 °C)
Flash Point Method Used:	Closed Cup
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: Danger!

Precautions: Combustible. Keep away from heat and flame. Corrosive - causes eye burns. Can cause skin irritation. Do not get in eyes. Avoid breathing vapor or mist. Avoid contact with 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.

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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

Color:	Amber
Odor:	Pine
Physical State:	Liquid
Solubility in Water:	Slight
Vapor Pressure:	1.93 mm Hg at 71°C (160 °F)
Specific Gravity:	0.95 - 0.99 (water = 1)
Boiling Point:	Not Determined
Evaporation Rate:	Not Determined
Vapor Density:	Not Determined
VOC:	172.524 g/L
pH:	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

Skin Irritation: Irritant.

Eye Irritation: Corrosive. Causes burns.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

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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

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-Propenoic Acid, Ethyl Ester

Common Name: Ethyl acrylate

CAS Number: 140-88-5

Percent in Composition: 0.002 % 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: Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and triethylenetetramine

Common Name: Polyamide Resin

CAS Number: 68082-29-1

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: 1,2-Ethanediamine, N,N'-bis(2-aminoethyl)-

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Common Name: Triethylenetetramine
CAS Number: 112-24-3
Comment: Hazardous Substance

Chemical Name: 1,2-Ethanediamine, N,N'-Bis(2-Aminoethyl)-, Propoxylated
Common Name: Propoxylated triethylene tetramine
CAS Number: 68441-70-3
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Aromatic Hydrocarbons, C12 - C20
Common Name: Aromatic hydrocarbons
CAS Number: 70955-17-8
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Oils, Pine
CAS Number: 8002-09-3
Comment: Not on Pennsylvania Hazardous Substance List

16. OTHER INFORMATION

MSDS No: 6068
Approved By: Dianne Blessing
Title: EH&S Specialist

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