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Effective Date: 11/7/06

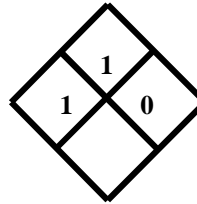
## Material Safety Data Sheet

MSDS No: 33134

**1. PRODUCT IDENTIFICATION**

Trade Name: RenPIM 6488 Polyol

Chemical Family: Amine



NFPA RATING

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

HMIS RATING

**Synonyms:**

LST 36-721 Hardener  
RP 6488 Hardener

Intended Use or Product Type: Polyurethane hardener

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				MFR.	CARCINOGEN STATUS		
			ACGIH		OSHA			IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	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:** 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.

Diocyl adipate (DOA) was tested by the National Toxicology Program/National Cancer Institute (NCI/NTP) in a lifetime feeding study in rats and mice. It was reported that extremely high doses of DOA caused an increased incidence of liver tumors in female

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mice. Male mice and both male and female rats did not show this response. Previous long-term feeding studies with DOA in rats and dogs did not detect tumors. Thus, interpretation of the NTP/NCI bioassay results has proved difficult.

#### **4. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

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

**Inhalation:** Remove to fresh air. Seek immediate medical attention.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

**Overexposure Effects:** 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**

<b>Flash Point:</b>	> 210°F (> 99 °C)
<b>Flash Point Method Used:</b>	Estimated
<b>Flammable Limits in Air (Lower - % by volume):</b>	Not established
<b>Flammable Limits in Air (Upper - % by volume):</b>	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:** Caution!

**Precautions:** May be harmful if swallowed. 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**

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**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>	Black
<b>Odor:</b>	Characteristic
<b>Physical State:</b>	Liquid
<b>Solubility in Water:</b>	Slight
<b>Vapor Pressure:</b>	Not Determined
<b>Specific Gravity:</b>	1.16 (water = 1)
<b>Boiling Point:</b>	Not Determined
<b>Evaporation Rate:</b>	Not Determined
<b>Vapor Density:</b>	Not Determined
<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 Oral Effects (LD50):** Component(s) are slightly toxic, 500 - 5000 mg/kg (rat).

## **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**

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**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 product is considered to be a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**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: Chromate (1-), bis(1-((2-hydroxy-5-nitrophenyl)azo)-2-naphthalenolato(2-))-, hydrogen, compound with n-cyclohexylcyclohexanamine

Common Name: Chrome complex

CAS Number: 74421-71-9

Percent in Composition: 0.0151 % by wt

Comment: Warning! This chemical is known to the State of California to cause cancer.

Chemical Name: Arsenic

CAS Number: 7440-38-2

Percent in Composition: 0 % by wt

Comment: Warning! This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm.

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

Chemical Name: 1,3-Benzenediamine, 4-Methyl-2,6-bis(Methylthio)

Common Name: Di-(methylthio) toluenediamine

CAS Number: 102093-68-5

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: 1,3-Benzenediamine, 2-Methyl-4,6-bis(Methylthio)-

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Common Name: Di-(methylthio) toluenediamine  
CAS Number: 104983-85-9  
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Phenol, Isopropylated, Phosphate (3:1)  
Common Name: Triaryl phosphate  
CAS Number: 68937-41-7  
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Hexanedioic acid, bis(2-ethylhexyl) ester  
Common Name: Dioctyl adipate  
CAS Number: 103-23-1  
Comment: Environmental Hazardous Substance

## **16. OTHER INFORMATION**

**MSDS No:** 33134  
**Approved By:** Dianne Blessing  
**Title:** EH&S Specialist

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