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**MATERIAL SAFETY DATA SHEET (MSDS)**

**MSDS FOR: RPC 120-277, A & B**  
**DATE: March 25, 2010**  
**Supersedes: January 1, 2010**

**24 HOUR CEMICAL**  
**EMERGENCY RESPONSE NUMBER:**  
**CHEM-TREC**  
**1-800-424-9300**  
**USA and CANADA**

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Common Name: RPC 120-277, A & B  
Chemical Name: Epoxy Resin and Polymercaptan Curing Agent  
Chemical Family: Epoxy; Polymercaptan  
CAS Number: Mixture

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**Section 1: Hazardous Ingredients Components**

	%	ACGIH TLV
A: Epoxy Resin with no established TLV	55 – 65	
Titanium Dioxide (dispersed in resin)	2 – 4	10 mg/m <sup>3</sup>
B: Polymercaptan with no established TLV	>95	

All ingredients are listed in the TSCA Inventory

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**Section 2: Physical and Chemical Characteristic:**

Boiling Point (°F)	>225	Specific Gravity (Water=1)	1.40
Vapor Pressure (mm/Hg)	Nil	Volatiles (% by volume)	0
Vapor Density (Air=1)	>1	Evaporation Rate (BuAC=1)	>1
Solubility In Water	Negligible		
Appearance & Odor	A: White paste, characteristic odor B: Black paste, mercaptan odor		

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**Section 3: Fire and Explosion Data**

Flash Point (test method) >200°F (PMCC)  
Flammable Limits In Air: Water Spray, foam, CO<sub>2</sub>, dry chemical

**Special Firefighting Precautions/Procedures:** Avoid breathing smoke. In confined areas, full fire fighting equipment including a NIOSH self-contained breathing apparatus. Cool fire exposed containers with water.

**Unusual Fire and Explosion Hazards:** NONE

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**Section 4: Health Hazard Information:**

Threshold Limit value (TLV): Not Established  
ANSI Hazard Class: A: 4 ; B: 4

**Signs and Symptoms of exposure:**

Type of Exposure:	Comp
Acute Overexposure-----	A-----Moderately irritating to the skin and eyes. Possible skin sensitizer. B-----Skin, eye and respiratory tract irritation. Skin sensitizer.
Chronic Exposure-----	A-----Pre-existing skin and eye disorders may be aggravated. B-----Unknown

**Routes of Exposure:**

Inhalation-----	A-----Moderately toxic; may be harmful. B-----Vapors are irritating to the respiratory tract.
Ingestion-----	A-----Moderately toxic; may be harmful. B-----Moderate toxicity; may cause respiratory tract irritation.
Skin Absorption-----	A-----May be absorbed through the skin in toxic amounts. B-----Repeated or prolonged exposure may be harmful.
Skin Contact-----	A-----Moderately irritating; may cause skin sensitization. B-----May cause allergic reaction; may stain skin.
Eye Contact-----	A-----Moderately irritating; may cause allergic reaction. B-----Moderately irritating; permanent damage possible on prolonged exposure.

**Carcinogenicity:**

NTP:	A	No
	B	No
IARC:	A	No
	B	No
OSHA:	A	No
	B	No

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**Section 5: Emergency and First Aid Procedures**

Skin: Remove contaminated clothing. Wash from skin with soap and water. Launder clothing prior to re-using.

Eyes: Flush with water for fifteen (15) minutes while holding eyelids open.

Inhalation: Remove victim to fresh air. Administer oxygen if necessary.

Ingestion: Do not induce vomiting. Give large doses of water. Get medical attention.

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**Section 6: Reactivity Data**

Stability:	Stable X	Unstable
Conditions to Avoid:		Elevated temperatures
Incompatibility (materials to avoid):		Strong oxidizing agents, strong acids and bases
Hazardous Decomposition Products:		Oxides of carbon and nitrogen
Hazardous Polymerization:		May occur: May Not Occur: X
Conditions to Avoid:		Large mixtures in bulk. Curing process is exothermic

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**Section 7: Spill and Leak Procedures**

**Steps to be Taken if Material is Spilled or Released:** Avoid Contact with liquid and vapors. Wipe with a cloth or collect on absorbent material. For large spills, dike and contain. Pump or shovel into salvage containers.

**Waste Disposal Method:** Cure, then bury or incinerate. Remove salvage containers to a waste disposal site operating in compliance to federal, state and local regulations.

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**Section 8: Special Protection Information**

**Respiratory Protection: (Specific Type)**

For excessive vapors or to maintain below the TVL limit, NIOSH approved respirator in compliance to 29 CFR 1910.134.

**Ventilation:** Local Exhaust: Yes  
Mechanical: Yes  
Other: As required

**Protective Gloves:** Impervious rubber

**Eye Protection:** Splash-proof chemical goggles

**Other Protective Equipment:** For prolonged exposure, impervious clothing and shoes to minimize personal contact. Eye wash station; safety shower.

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**Section 9: SARA Title III Information**

**Section 302-304: Extremely Hazardous Substance**

<u>Component</u>	<u>CAS#</u>	<u>%</u>	<u>RO (lbs)</u>	<u>TPO (lbs)</u>
None				

**CERCLA Section 102(a): Hazardous Substance**

<u>Component</u>	<u>CAS#</u>	<u>%</u>	<u>RP (lbs)</u>
None			

**Section 311: Hazardous Categorization**

<u>Acute</u>	<u>Chronic</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u>	<u>Non-Applicable</u>
X					

**Section 313: Toxic Chemicals**

<u>Component</u>	<u>CAS#</u>	<u>%</u>
None		

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**Section 10: Special Precautions: For industrial use only.**

Warning Statements:     A:     May cause skin irritation; avoid contact with eyes and skin.  
                                  B:     Avoid contact with eyes, skin and clothing.

Precautions to be taken in Handling and Storage:  
                                  Store in a cool, dry area in tightly closed containers. Avoid contact with skin and eyes.  
                                  Avoid moisture contamination. Use with adequate ventilation. Use good hygiene practices.

Other Precautions:

RCRA Status:                Not considered to be a hazardous waste.  
CERCLA:                     Not listed.  
DOT Class:                  A: Not Regulated.  
                                  B: Not Regulated.

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**Section 10: Miscellaneous:**

	<u>HMIS Rating</u>	
	<u>A:</u>	<u>B:</u>
Health:	2	2
Flammability:	1	1
Reactivity:	0	0

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29CFR 1919.1200. The information contained herein is based on data available to us and is believed to be accurate. However, RPC makes no warranty expressed or implied concerning the accuracy of the information contained herein. It is the user's responsibility to determine the safety, toxicity and suitability of the product described herein. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.