

MATERIAL SAFETY DATA SHEET

DATE: 01/12/11

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Section 1

PACER TECHNOLOGY
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For Chemical Emergency Only:
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PRODUCT IDENTIFICATION:**Copper-Bond Epoxy – Hardener****HMIS HAZARD RATING**

3 = Health
1 = Flammability
0 = Reactivity

Section 2 - HAZARDOUS INGREDIENTS INFORMATION:

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Mercaptan-terminated polymer (trade secret)				
Amine curing agents (trade secret)	1ppm skin			

CAUTION: Product may evolve ammonia after exposure to atmospheric moisture.

* Chemical subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: >110C/>230F	Specific Gravity (H2O=1):	1.17
Vapor Density (Air=1): NE	Melting Point:	NE
Vapor Pressure (mm Hg): NE	Evaporation Rate (Butyl Acetate = 1):	NE
Solubility in Water: Negligible		
Appearance & Odor: Brownish-yellow paste hardener with amine odor.		

Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method Used): >200F (CC) Flammable Limits: LEL: NA UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Do not enter confined fire space without full bunker gear (helmet/face shield, bunker coat, gloves & rubber boots). Use positive pressure NIOSH-approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards: Do not breathe fumes. Unidentified fumes & vapors produced by combustion may be toxic.

Section 5 - REACTIVITY DATA:

Stability: Unstable ☐ Stable ☒

Conditions to Avoid: Keep away from open flames & high temperatures.

Incompatibility (Materials to Avoid): Strong oxidizing agents, strong acids and bases.

Hazardous Decomposition Products: Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapors.

Hazardous Polymerization: May Occur ☐ May Not Occur ☒

11-1346

Section 6 - HEALTH HAZARD DATA:

Route(s) of Entry: Inhalation: YES Skin: YES Ingestion: YES

Health Hazards (Acute and Chronic):

Moderate to severe irritation to eyes, skin – prolonged contact can lead to chemical burns; skin sensitization with direct contact; contact with product at elevated temperatures can result in thermal burns; by ingestion – may be harmful; unlikely to be inhalation hazard due to low volatility.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

Signs and Symptoms of Exposure & First Aid Procedures:

Eye contact - irritation: flush eyes with copious amounts of water for 15 min. while holding eyes open. Get medical attention immediately.

Skin contact - irritation/rash: remove contaminated clothing and wash with soap/water. Get medical attention if symptoms persist (contaminated leather articles i.e. shoes should be disposed of as contaminated waste). NOTE: hot product burns require immediate medical attention. Wash contaminated clothing before reuse.

Inhalation - Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Ingestion - Do not induce vomiting. Give large doses of water & get medical attention.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to Be Taken in Case Material is Released or Spilled: Avoid contact with liquid and vapors. Use cautious judgment when cleaning up large spills. Prevent contamination of soil, drains and surface waters. Respirator and protective equipment as appropriate. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

Waste Disposal Method: Dispose of according to federal, state and local regulations; mix components and dispose of as non-hazardous waste.

Precautions to Be Taken in Handling and Storing: Avoid eye & skin contact. Avoid breathing vapors & ingestion. Use in a well-ventilated area. Wear rubber gloves and protective clothing. Dispose of contaminated leather products (shoes) and launder clothing before reuse. Store in cool, dry place away from open flames and high temperatures.

Other Precautions: Empty containers may contain product residues and should be disposed of properly.

Section 8 - CONTROL MEASURES:

Respiratory Protection (Specify Type): Organic vapor respirator in areas with poor ventilation.

Ventilation: Local Exhaust: Good Mechanical (General): As needed.

Protective Clothing or Equipment: Safety glasses/goggles with side shields; prolonged exposure requires chemically resistant gloves and other protective equipment to avoid direct contact.

Work/Hygienic Practices: Avoid contact with eyes or skin. Liquid components may cause allergic skin reaction. Use in well ventilated area. Wash hands with soap and water after product use. Launder contaminated clothing before reuse and disposed of leather articles as contaminated waste.

Section 9 – TRANSPORT INFORMATION:

Proper shipping name: Corrosive liquid, basic, organic, n.o.s. (Modified Amine Mixture)
Class 8, UN3267, II

DOT exception: (not more than 1 L) Consumer Commodity ORM-D.

NA = Not applicable

NE = Not established

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