

SAFETY DATA SHEET



Date Issued: 12/04/2007
 MSDS No: Z-Poxy 30 Minute Hardener
 Date-Revised: 01/22/2010
 Revision No: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT DESCRIPTION: Z-Poxy 30 Minute Hardener - PT39

MANUFACTURER

Pacer Technology
 9420 Santa Anita Avenue
 Rancho Cucamonga CA 91730-6117
Emergency Contact: CHEMTREC
Product Stewardship: 800-424-9300
Alternate Emergency Phone: 703-527-3887
Service Number: 909-987-0550
Alternate Customer Service: 800-538-3091

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Content
Proprietary Mercaptan Polymer	60 - 100
Modified aliphatic amine solution	5 - 15
Curing agent	5 - 10
Tertiary amine curing agent	1 - 5

3. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xn" - Harmful
 R22: Harmful if swallowed.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear to light yellow liquid with sulfur odor.

IMMEDIATE CONCERNS: Harmful if swallowed. Irritating to eyes, respiratory system and skin.

POTENTIAL HEALTH EFFECTS

EYES: Irritating, and may injure eye tissue if not removed promptly.

SKIN: May cause skin irritation. Allergic reactions are possible.

INGESTION: Irritating to mouth, throat and stomach.

INHALATION: Irritating to the nose, throat and respiratory tract.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Contact causes skin irritation.

INGESTION: Ingestion of this material can cause mouth, throat, esophageal, and gastrointestinal tract irritation.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

ACUTE TOXICITY: Slightly irritating to eyes and respiratory tracts.

CHRONIC EFFECTS: Avoid contact with eyes; may cause redness, irritation and conjunctivitis.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing eye and skin disorders or lung allergies may be aggravated by exposure.

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ROUTES OF ENTRY: Direct contact with skin or eyes.

IRRITANCY: Irritating to eyes, respiratory system and skin.

SENSITIZATION: May cause allergic skin reaction.

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

FIRE FIGHTING PROCEDURES: Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustible by-products of carbon monoxide/dioxide, hydrogen sulfide and oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spills immediately, observing precautions in Protective Equipment section.

LARGE SPILL: Absorb the liquid and scrub the area with detergent and water. Avoid runoff into storm sewers and ditches which lead to waterways.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

HANDLING: Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

STORAGE: Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

STORAGE TEMPERATURE: Ambient room temperature (70F/21C).

SHELF LIFE: One year from the date of shipment from Pacer Technology.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: S24: Avoid contact with skin.

RESPIRATORY: Use only in a well ventilated area.

PROTECTIVE CLOTHING: S24: Avoid contact with skin. and clothing. Launder contaminated clothing before reuse.

WORK HYGIENIC PRACTICES: Avoid contact with skin and eyes. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

FLASHPOINT AND METHOD: 110°C (230°F) DIN 51758

PHYSICAL STATE: Liquid

ODOR: Sulfur odor.

APPEARANCE: Pale yellow viscous liquid.

VAPOR PRESSURE: Not Established

VAPOR DENSITY: 0.09 g/cc @ 25C / 77F

BOILING POINT: 100°C (212°F)

SOLUBILITY IN WATER: Negligible

EVAPORATION RATE: Not Established

SPECIFIC GRAVITY: 1.150 (water=1)

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid storage near large masses of epoxy resins.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustible by-products of carbon monoxide/dioxide, hydrogen sulfide and oxides of sulfur.

INCOMPATIBLE MATERIALS: Avoid strong oxidizing agents and amines especially when hot.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Mildly to moderately irritating.

SKIN EFFECTS: Irritating to skin. May cause allergic skin reaction with prolonged contact.

SENSITIZATION: Irritating to skin. May cause allergic skin reaction with prolonged contact.

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Do not flush to sewer.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Cure by mixing with equal portion of paired component for non-hazardous solid waste disposal.

FOR LARGE SPILLS: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

PRODUCT DISPOSAL: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

14. TRANSPORT INFORMATION

AIR (ICAO/IATA)

SHIPPING NAME: Not Applicable.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not Applicable.

15. REGULATORY INFORMATION

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



"Xn" - Harmful
 R22: Harmful if swallowed.

16. OTHER INFORMATION

APPROVED BY: Mary Robles **TITLE:** Regulatory Affairs Manager

REVISION SUMMARY: Revision #: 1. This MSDS replaces the December 04, 2007 MSDS.

MANUFACTURER DISCLAIMER:

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