

SAFETY DATA SHEET



Date Issued: 01/22/2010

MSDS No: Z-Poxy Finishing resin - B (hardener)

Date-Revised: 01/22/2010

Revision No: 1

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

PRODUCT DESCRIPTION: Z-Poxy Finishing resin - B (hardener) - PT40

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	CAS	EINECS	Content
Benzyl alcohol	100-51-6	202-859-9	20 - 40
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	90-72-2	202-013-9	10 - 15
3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE	2855-13-2	220-666-8	3 - 5
3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE	112-57-2	203-986-2	1 - 10
Bis(dimethylamino)methyl phenol	71074-89-0		3

3. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xn" - Harmful

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Light yellow colored viscous liquid.

IMMEDIATE CONCERNS: R20/22: Harmful by inhalation and if swallowed.

R36/38: Irritating to eyes and skin.

S2: Keep Out of Reach of Children.

POTENTIAL HEALTH EFFECTS

EYES: S24/25: Avoid Contact with skin and eyes.

SKIN: R43: May cause sensitization by skin contact.

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: R43: May cause sensitization by skin contact.

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: Irritating to eyes, respiratory system and skin.

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MEDICAL CONDITIONS AGGRAVATED: Pre-existing skin, eye and lung conditions.

ROUTES OF ENTRY: Inhalation, ingestion and skin absorption are major routes of entry.

IRRITANCY: Irritating to eyes, respiratory system and skin.

SENSITIZATION: May cause allergic skin reaction.

WARNING CAUTION LABELS: Harmful. Keep out of Reach of Children.

COMMENTS HEALTH: S46: If swallowed, seek medical advice immediately and show this container or label.

COMMENTS: Contains epoxy constituents. See information supplied by manufacturer.

4. FIRST AID MEASURES

EYES: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SKIN: Irritation occurs upon direct contact. Remove contaminated clothing and wash affected areas with soap and water.

INGESTION: S46: If swallowed, seek medical advice immediately and show this container or label.

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: Water spray, foam, carbon dioxide, dry chemicals.

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: Carbon monoxide/dioxide in a fire. Ammonia when heated. Irritating and toxic fumes at elevated temperatures. Nitrogen oxides in a fire, which can react with water vapor to form corrosive nitric acid (TVL 2ppm). Combustion of product under oxygen-starved conditions can be expected to produce toxic products including nitriles and amides.

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: R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: S51: Use only in well-ventilated areas.

HANDLING: Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes and clothing. Keep container

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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).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

SKIN: S24: Avoid contact with skin.

RESPIRATORY: S51: Use only in well-ventilated areas.

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: 93 °C (200 °F) Pensky-Martens CC

FLAMMABLE LIMITS: Not Established

Chemical Name	Flash Point (°C)
Benzyl alcohol	200

PHYSICAL STATE: Liquid

ODOR: Ammonia Odor.

APPEARANCE: Pale yellow viscous liquid.

VAPOR PRESSURE: Not Established

VAPOR DENSITY: Not Established

SOLUBILITY IN WATER: Slightly soluble.

EVAPORATION RATE: Not Established

SPECIFIC GRAVITY: 1.040 (water=1)

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

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

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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

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Benzyl alcohol	1230	2000	1000

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.

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 restricted

VESSEL (IMO/IMDG)

SHIPPING NAME: Not restricted

15. REGULATORY INFORMATION

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



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16. OTHER INFORMATION

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

REVISION SUMMARY: Revision #: 1. This MSDS replaces the January 22, 2010 MSDS. Any changes in information are as follows: In Section 15: EEC Symbol Id.

MANUFACTURER DISCLAIMER:

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