

MSDS

Material Safety Data Sheet

March 6, 2003

Revised Date: March 18, 2004

PRODUCT NAME: ELASTO-POXY PRIMER [DG] [B-COMPONENT]

ITEM NUMBER: EPPDG-B

DESCRIPTION: Epoxy / Polyamine based primer.

HMIS CODES:	H:*	2	F:	3	R:	0	P:	G
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SECTION I - IDENTIFICATION

MANUFACTURER'S NAME: Pacific Polymers International, Inc.

12271 Monarch Street, Garden Grove, CA 92841

Telephone: 714-898-0025

EMERGENCY PHONE NO: 800-424-9300 (CHEMTREC)

SECTION II-HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	LD50/LC50	WT %
Ethyl Benzene #100-41-4	100ppm	100ppm	125ppm	-	--
Xylene #1330-20-7	100ppm	100ppm	150ppm	-	50 - 70%
Polyamine Resin	-	-	-	-	30 - 50%

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of titleIII and of 40 CFR 372.

All Chemicals comprising this product are listed on the Toxic Substance Control Act (TSCA) inventory.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	279°F @ 760 mm Hg
Vapor Density	3.66 (Xylene)/ Greater than air; Vapor Pressure (mm Hg): 2.4 @ 68 °F
Specific Gravity (H2O=1)	0.89 - 0.91 (Wt. Per Gallon → 7.4 - 7.6 pounds)
Evaporation Rate	< 1.0 (butyl Acetate = 1.0)
Solubility in water	Insoluble
Appearance and odor	Amber yellowish liquid mixture, aromatic odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	84°F (Xylene)
Flammable limits in air by volume	LEL: 1.0% : UEL: 6.2% (Xylene)
Extinguishing media	In case of fire use extinguishing media such as foam, dry chemical, carbon dioxide, and water spray. Water spray may not help but will cool the containers and help against pressurizing.
Special Fire-fighting Procedures	Wear a self-contained breathing apparatus with a full face-piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
Unusual Fire and Explosion Hazards	Vapors during fire are heavier than air and may travel along the ground or may be moved by ventilation and may ignite by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near the containers even empty.

SECTION V - REACTIVITY DATA

Stability	Chemically stable product.
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Conditions to avoid	Avoid extreme acids and oxidizing agents.
Incompatibility (Materials to avoid)	
Hazardous Decomposition or Byproducts	May give out carbon dioxide, carbon monoxide and other various hydrocarbons on burning/fire.
Hazardous Polymerization	Will not Occur.

SECTION VI - HEALTH HAZARD DATA

Health risks and symptoms of exposure

Inhalation	May cause giddiness, headache, dizziness, and nausea. May cause irritation to nose, throat and respiratory tract. May cause shortness of breath. May cause CNS (central nervous system depression) symptoms.
Skin Contact	May cause skin irritation and result to redness, itching, or rashes. Skin contact should be washed immediately.
Eye Contact	Will irritate eyes in case of contact. May cause burns, redness to the eyes. Wash immediately. Consult Physician.
Skin Absorption	None known.
Ingestion	Ingestion may result in vomiting and result in chemical pneumatitis edema hemorrhage and gastrointestinal irritation (nausea, vomiting, and diarrhea).

Health hazards (acute & chronic):

CARCINOGENICITY: NTP? NO ; IARC MONOGRAPHS: yes ; OSHA REGULATED: No

This product may contain residual ethyl benzene in xylene. Ethylene Benzene is considered to be carcinogenic by IARC (Group 2B) based on evidence in experimental animals, but inadequate evidence in exposed humans.

Medical conditions generally aggravated by exposure: Prolonged or repeated exposure/contact with skin may cause allergic skin reactions.

Emergency & First Aid Procedures

Eyes	Immediately flush with plenty of water for at least 15 minutes. Keep eyelids open. Consult a physician immediately
Skin	Wash material off with plenty of soap and water. If redness, itching or burning develops, consult a physician. Remove contaminated clothes. Launder clothes before reusing them.
Inhalation	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is labored, give oxygen. Get medical help immediately. Do not give any food or liquids to an unconscious person.
Ingestion	Consult physician immediately. Do not induce vomiting.

SECTION VII - SAFE HANDLING & USE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: In case of large spill, dike area and absorb the spill and place into a waste container. Do not dispose spilled material into regular trash or in sewer. Avoid ignition source. Use non-sparking tools into closable container for disposal.

WASTE DISPOSAL METHOD. Dispose waste in accordance to local, federal, and state rules and regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in dry cool location. Do not weld nor cut around the material or while applying the material. Avoid other ignition source such as flame, burning etc. Do not smoke while using the material or around the applied material. Flammable Liquid Mixture.

OTHER PRECAUTIONS: Avoid contact with eyes, skin or clothing. Wash before eating, drinking or smoking. Provide eye wash stations and/or showers. Immediately remove wet contaminated clothing and equipment to avoid flammability hazard. Wash before reuse or discard and get renewed.

SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear MSHA/NIOSH approved organic chemical vapor or charcoal filtered cartridge respirator .

VENTILATION: Local if needed. Explosion-proof general mechanical ventilation.

PROTECTIVE GLOVES: Wear impervious gloves.

EYE PROTECTION: Wear splash-proof chemical goggles or shield to protect eyes and face.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WORK/HYGIENIC PRACTICES: Tyvek, neoprene, butyl, nitrile rubber based clothing have excellent resistance to aromatic solvents based products. Provide eyewash station and safety showers in the work area. Provide emergency safety plans if regulations require. Provide proper training of the usage and application of the products.

SECTION IX – REGULATORY INFORMATION

Transportation: Ground/Air/Marine: Resin Solution, Flammable Liquid, Class 3, UN1866, PG III, F.P. 29°C (84°F)

Sara Title III (Section 313 Toxic Chemical Information):

<u>Chemical Name</u>	<u>CAS Number</u>
Xylene	1330-20-7
Ethyl Benzene	100-41-4

California Proposition 65:

The following detectable components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and /or reproductive toxicity.

<u>Chemical Name</u>	<u>CAS Number</u>
Xylene	1330-20-7

HMIS Ratings: Health: 2
Flammability: 3
Reactivity: 0
Protection: G (gloves, goggles, coverall/apron, respirator)

Disclaimer: The data set forth in this MSDS are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. Pacific Polymers International, Inc. makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.