MSDS

Material Safety Data Sheet
May 19, 2000
Revised: September 27, 2002

PRODUCT NAME: ELASTO-POXY™ PRIMER [B-COMPONENT]
ITEM NUMBER: EPP-B
DESCRIPTION: EPOXY RESIN/HARDENER PRIMER

HMIS CODES:	H:*	2	F:	2	R:	0	P:	G

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 %
Polyamine Hardener #2855-13-2	No data	No data	No data		
Aromatic Petroleum Naphtha # 64742-95-6	100 ppm	100ppm/ TWA	150ppm	LD: 4.7g/kg (rat, dermal) LC: >3370 ppm/8hrs (rat)	40 – 60%%
Alkyl Phenol #25154-52-3	No data	No data	No data	No data	2.95%
Butyl Benzyl Phthalate #85-68-7	5 mg/m^3 (8-hr time weighted average	5 mg/m^3 (8-hr time weighted average	No data	LD50: 20,400 mg/kg (Oral, rat) LD50: >10,000 mg/kg (Dermal, rabbit) LC50: >6.7 mg/l (rat, Inhalation)	9.10 %

*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	300 – 330 deg.F (solvent)
Vapor Density (air = 1) Vapor Pressure (mm Hg)	4.5 (solvent) 3.0 @ 68F
Specific Gravity (H2O=1)	0.90 – 0.93
Evaporation Rate	Slower than ether (less than 1.0)
Solubility in water	Insoluble in water
Appearance and odor	Amine like odor, clear to yellowish clear color

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	120^{O}F
Flammable limits in air by volume	0.6% LEL: UEL: 6.0%
Extinguishing media	In case of fire use extinguishing media such as foam, carbon dioxide and dry chemical. Water spray may not help extinguish fire, but may help keep the containers cool.
Special Fire-fighting Procedures	Wear a self-contained breathing apparatus with a fullpiece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section.
Unusual Fire and Explosion Hazards	Vapors heavier than air may travel along the ground or may be moved by ventilation and ignite by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other source at locations distant from the material handling point. Never use welding or cutting torch on or near the containers even empty.

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SECTION V - REACTIVITY DATA

Stability	Stable
Conditions to avoid	Avoid extreme heat conditions such as flame, torch, sparks etc. Avoid acids and oxidizing agents.
Incompatibility (Materials to avoid)	Avoid contact with strong acids and alkalis and oxidizing agents.
Hazardous Decomposition or Byproducts	In case of fire, carbon monoxide, carbon dioxide and oxides of nitrogen may evolve.
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.
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 immediately for proper medical advise.
Skin Absorption	None known.
Ingestion	Ingestion may result in vomiting and result in chemical pneumatitis edema hemorrhage and gastrointestinal irritation (nausea, vomiting, and diarrhea). Get medical help immediately.

Health hazards (acute & chronic):

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

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 spill, dike area and absorb the spill using inert absorbent, dry sand, cat litter etc. and place into a waste container. Do not dispose spilled material into regular trash or in sewer. Do not store around ignition sources and high temperatures. Do overfill the waste container, keep some space in order to avoid any pressure buildup in the container.

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.

OTHER PRECAUTIONS*:* Avoid contact with eyes, skin or clothing. Wash before eating, drinking or smoking. Provide eye wash stations and/or showers.

SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION

RESPIRATORY PROTECTION*:* Wear MSHA/NIOSH approved organic vapor or charcoal filtered cartridge respirator. In confined area use positive pressure supplied air respirator with full facepiece or an air-supplied hood to avoid inhalation of vapors and mist.

VENTILATION*:* local and or mechanical exhaust**.**

PROTECTIVE GLOVES*:* Nitrile, neoprene, and butyl rubber gloves.

EYE PROTECTION*:* Chemical tight goggles, full faceshield in addition if splashing is possible.

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. Give proper training of the usage and application of the products.

SECTION IX – REGULATORY INFORMATION

Transportation: Corrosive Liquid Mixture N.O.S. UN1760, PG III

Sara Title III (Section 313 Toxic Chemical Information):

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Chemical Name	CAS Number	Concentration
Xylene	#1330-20-7	< 2 %

(Xylene is present in the naphtha solvent as residue)

California Proposition 65:
As per requirements of the Safe Drinking Water & Toxic Enforcement Act of California, USA (1986), the public is warned that materials used in this product may create an exposure to chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This warning is required by Section 25249.6 of the California Health and Safety Code.
{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.}

Chemical Name	CAS Number	Concentration
Xylene	#1330-20-7	1 – 5 %

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

WHMIS Rating (Canada): Class, Division, Class, Division, Subdivision.

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.

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