

# MSDS

## Material Safety Data Sheet

May 30, 1999

Revised: September 27, 2002

**PRODUCT NAME: EpoxySystems' Product #893B**

**ITEM NUMBER: 893B**

**DESCRIPTION: TWO-COMPONENT WATER BASE EPOXY PRIMER**

HMIS CODES:	H: * 1	F: 0	R: 0	P: C
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### SECTION I - IDENTIFICATION

MANUFACTURER'S NAME: **Epoxy Systems, Inc.**

**Vermont & Florida**

**Telephone: 352-489-1666**

**EMERGENCY PHONE NO: 800-633-8253 PERS**

### SECTION II - INGREDIENTS

HAZARDOUS COMPONENTS / CAS #	OSHA PEL	ACGIH TLV	OSHA STEL	LD50/LC50	WT %
Polyamine #mixture	No data	No data	No data	LD50(rat, oral): 6700mg/kg LD50(dermal, rabbit): >2000 mg/kg LC50(rat, inhalation): >10 mg/liter/1 hour	35 - 50%
Water	No data	No data	No data		50 - 65%

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

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	>212F
Vapor Density (air = 1)	of water vapor
Specific Gravity (H2O=1)	1.00 - 1.20
Evaporation Rate	Slower than butyl acetate
Solubility in water	Miscible in water
Appearance and odor	Yellowish milky color liquid mixture, ammoniacal odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	>200F (Fire Hazard Classification (NFPA) → Water-based Mixture)
Flammable limits in air by volume	LEL: N/AV UEL: N/AV
Extinguishing media	Use water fog, foam, dry chemical or carbon dioxide
Special Fire-fighting Procedures	Wear protective equipment and clothing in case of fire. Use self-contained breathing apparatus in case of fire. A face shield should be worn. Fire-Fighters should wear butyl rubber boots, gloves, and body suit to prevent exposure.
Unusual Fire and Explosion Hazards	May generate toxic or irritating combustion products such as carbon monoxide, carbon dioxide, nitrogen oxide gases and ammonia gas, in case of fire.

### SECTION V - REACTIVITY DATA

Stability	Stable under normal conditions.
Conditions to avoid	Not applicable
Incompatibility (Materials to avoid)	Mineral acids (sulfuric, phosphoric, etc.), Organic acids (acetic acid, citric acid etc). Oxidizing Agents (perchlorates, nitrates etc).
Hazardous Decomposition or Byproducts	Carbon monoxide, carbon dioxide and nitrogen oxides in a fire. Possible Ammonia when heated. Irritating fumes at elevated temperatures.
Hazardous Polymerization	Will not occur.

## **SECTION VI - HEALTH HAZARD DATA**

### **Health risks and symptoms of exposure**

Inhalation	May cause respiratory tract irritation. Inhalation of vapors and mist may cause coughing and irritation to throat.
Skin Contact	Skin irritant. May cause burning effect on skin. Prolonged and repeated skin contact may cause skin effects such as rash, irritation or redness. May cause skin sensitization.
Eye Contact	Corrosive to eyes. Severe eye irritant. Contact with eyes may cause severe irritation and pain. May burn eyes which may result to blindness.
Skin Absorption	None known
Ingestion	Ingestion can cause irritation to mouth and stomach tissue.

### **Health hazards (acute & chronic):**

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

**Medical conditions generally aggravated by exposure:** Prolonged and repeated contact can result to central nervous system symptoms and eye effects such as conjunctivitis or corneal damage.

### **Emergency & First Aid Procedures**

Eyes	Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately and promptly.
Skin	Remove contaminated clothing and shoes. Remove product and immediately flush affected area with water for at least 15 minutes. Launder contaminated clothing prior to reuse.
Inhalation	Remove person to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. If breathing is labored, give oxygen. Consult a physician immediately. <b>DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.</b>
Ingestion	If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. <b>Never give anything by mouth to an unconscious person.</b>

## **SECTION VII - SAFE HANDLING & USE INFORMATION**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Under normal condition, any leaks or spill will not flow. However a spill should be collected in a waste container. The collected waste can be disposed either by solidifying with the A-Component (Resin side) or as is in accordance to regulations. Wear necessary protective equipment and clothing to avoid contact.

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

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in a cool dry place. Keep away from open flames and high temperatures. Avoid eye and skin contact. Wash with soap and water before eating, drinking, and smoking, applying cosmetics or using toilet facilities. Launder contaminated clothing before reuse. Dispose contaminated clothing and protective equipment if unable to decontaminate.

**OTHER PRECAUTIONS:** KEEP AWAY FROM CHILDREN. Keep away from ignition sources such as fire, flame and sparks.

## **SECTION VIII - CONTROL MEASURES/PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** Not required under normal conditions in a well-ventilated workplace. In atmospheres where the material is sprayed, workers should avoid contact with aerosols through usage of proper protective equipment such as full-face air-supplied respirators or respirators with charcoal or organic vapor cartridge.

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

**PROTECTIVE GLOVES:** Chemical resistant gloves such as neoprene, butyl rubber, and nitrile.

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

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WORK/HYGIENIC PRACTICES:** Wear coveralls or aprons to protect from skin contact. Provide eyewash stations and showers. Provide proper training to the applicators. Wash before eating, drinking, smoking or using the restroom. Wash the contaminated clothing and equipment before reusing them.

## **SECTION IX – REGULATORY INFORMATION**

**Transportation:** DOT: Not Regulated

**Sara Title III (Section 313 Toxic Chemical Information):**

<b><u>Chemical Name</u></b>	<b><u>CAS Number</u></b>	<b><u>Concentration</u></b>
None Known		

**California Proposition 65:** Substances known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986").

NONE

**HMIS Ratings:** Health: 1  
Flammability: 0  
Reactivity: 0

Protection: C (gloves, goggles, coverall/apron)

**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.