

MATERIAL SAFETY DATA SHEET

SECTION I MANUFACTURER IDENTIFICATION

Manufacturer's
Name:

Date of preparation: 1/1/07
Supercedes; 8/26/05

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SECTION II PRODUCT IDENTIFICATION

Product name: SOLAREZ[®] EPOXY

Product Code (4 oz. liquid): 75200

Generic name: Epoxy Acrylate Blend

(8 oz.): 75300
2 oz. putty : 75200

SECTION III HAZARDOUS INGREDIENTS

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM: HEALTH 2 FLAMMABILITY 1 REACTIVITY 2

INGREDIENT	WT.%	TLV ppm mg/m ³	SOURCE	IDLH	VAPOR PRESS.	LEL
Bisphenol A Epoxy (CAS 55818-57-0)	60-90%	not established not established not established	TWA/ACGIH FEDERAL PEL STEL/ACGIH	N/A	nil	N/A
Oligomer blend (proprietary)	10-40%	not established		N/A	nil	N/A

SECTION IV PHYSICAL DATA

BOILING RANGE: 293 - 410°F PERCENT VOLATILE BY VOLUME: negligible

SPECIFIC GRAVITY: 1.1 EVAPORATION RATE (n-Bu Ac = 1): nil

PH 6.8 to 7.2 VAPOR PRESSURE (mm HG @ 68°F): nil

VOC Content: nil

APPEARANCE AND ODOR: Clear Viscous solution, acrylic odor

SOLUBILITY IN WATER: negligible

SECTION V FIRE AND EXPLOSION DATA

FLASH POINT: 200°F / 93°C SETAFLASH OSHA CLASSIFICATION: N/DA

FLAMMABLE LIMITS % BY VOLUME IN AIR @ 212°F:

LOWER EXPLOSION LIMIT - n/a

UPPER EXPLOSION LIMIT - n/a

SECTION V (cont.)

- **EXTINGUISHING MEDIA:** Use foam, carbon dioxide or chemical fire fighting.
- **UNUSUAL FIRE AND EXPLOSION HAZARDS:** High temperatures / inhibitor depletion / accidental impurities / exposure to radiation / strong oxidizers - may cause spontaneous polymerization which will generate heat/pressure. Closed containers may rupture during spontaneous polymerization.
- **SPECIAL FIRE FIGHTING PROCEDURES:** The use of self-contained breathing apparatus is recommended for fire-fighters. Water spray may be used for cooling containers.

=====SECTION VI HEALTH HAZARD DATA=====

THRESHOLD LIMIT VALUE: see section III

EFFECTS OF OVEREXPOSURE:

- **EYES:** Minor to moderate irritation, redness, tearing and blurred vision.
- **SKIN:** Some acrylate / methacrylate materials can be absorbed through the skin. Although no human or animal health data are known to exist, the potential for skin absorption does exist. This material is expected to be a skin irritant and may cause allergic reaction (sensitization) upon repeated exposure to susceptible individuals.
- **INHALATION:** No significant signs or symptoms indicative of any health hazard are expected to occur at standard conditions due to low volatility of this material.
- **INGESTION:** Although no appropriate human or animal health effects data are known to exist, this material is expected to be a slight ingestional hazard.
- **OTHER HEALTH EFFECTS:** This material or its emissions may induce an allergic or sensitization reaction and thereby aggravate systemic disease.

EMERGENCY AND FIRST AID PROCEDURES

- **EYES** - Flush with clean, warm water for at least 15 minutes occasionally lifting eyelids.
- **SKIN** - Remove contaminated clothing. Wash affected areas with soap and water.
- **INHALATION**- Remove to fresh air. Apply artificial respiration or administer oxygen if necessary. Call a physician immediately.
- **INGESTION** - Keep person warm, quiet. Get immediate medical attention. Do not induce vomiting - risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention.

=====SECTION VII REACTIVITY DATA=====

STABILITY: Stable under normal conditions. Avoid exposure to excessive heat. *Exposure of resin to direct sunlight or UV-A light source will cause rapid polymerization (hardening) of resin. Only the exposed surface areas will harden although the heat generated can cause further spontaneous polymerization.*

VII CONTINUED

INCOMPATIBILITY: Avoid contact with strong mineral acids, peroxides, polymerization catalysts and radiation. Do not freeze (inhibitor can separate for monomer). If freezing occurs, heat and mix to redistribute the inhibitor. Oxygen is a polymerization inhibitor and anaerobic conditions will favor spontaneous polymerization. Maintain head space in storage.

HAZARDOUS POLYMERIZATION: Can occur.

=====SECTION VIII SPILL OR LEAK PROCEDURES=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Cover spill with inert absorbent material and shovel into container. Remove container to a safe area and seal. Wash spill area with strong detergent and water solution; rinse with water but minimize dispersion and collect.

WASTE DISPOSAL METHOD:

Waste disposal must be disposed of in accordance with federal, state, and local environmental regulatory controls. Waste is not an RCRA hazardous waste however, contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potential for internal heat generation. Dilute aqueous waste may biodegrade.

=====SECTION IX SPECIAL PROTECTION INFORMATION=====

PROTECTIVE GLOVES: Polyvinyl alcohol gloves.

EYE PROTECTION: Splash goggles.

=====SECTION X TRANSPORTATION=====

DOT HAZARD CLASS - Not Regulated

DOT PROPER SHIPPING NAME - N/A

UN NUMBER - N/A