



Innovative Composite Solutions

Section I

Neptune Research
1346 South Killian Drive
Lake Park, Florida 33403

Emergency Telephone Number – 800-535-5053
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Product Name – Syntho Poxy™HC Part B (Catalyst)

Date Prepared – 10.20.10

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s) CAS#)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Mercaptan Polymer (Trade Secret)	N/A	N/A	N/A	Proprietary
Crystalline Silica (67762907)	0.1 mg/m3	0.05 mg/m3	N/A	Proprietary
Barium Sulfate (7727-43-7)	N/A	N/A	N/A	Proprietary

Section III—Physical/Chemical Characteristics

Vapor Pressure (mm Hg) – ND Specific Gravity (H20 = 1) – 1.304 Vapor Density (AIR = 1) – ND
Evaporation Rate (Butyl Acetate = 1) Ether =1 – N/A Boiling Point – N/A Melting Point – N/A
Solubility in Water: Insoluble
Appearance and Odor – White paste with mercaptan odor

Section IV—Fire and Explosion Hazard Data

Flash Point – 270°F (130°C) Flammable Limits - N/A LEL - N/A UEL - N/A

Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide to extinguish flames.

Special Fire Fighting Procedures: Firefighters should wear full protective cloth and self-contained breathing apparatus. Thoroughly decontaminate fire fighting equipment and fire fighting apparel after the incident.

Section V—Reactivity Data

Stability: Stable
Hazardous Decomposition or Byproducts: Fumes produced when heated may include oxides of carbon.
Incompatibility (Materials to Avoid): Can react vigorously with strong oxidizing agents, strong Lewis or mineral acids, and strong mineral and organic bases. Do not allow molten material to contact water or liquids as this can cause violent eruptions, splatter hot material, or ignite flammable materials. Reaction with some curing agents will release considerable heat and possible violent decomposition.
Hazardous Polymerization: Will not occur
Conditions to Avoid: High temperatures

Section VI—Health Hazard Data

Route(s) of Entry: Skin and Eye contact

Acute Skin Contact: May be slightly irritating. Repeated skin contact may result in an allergic skin reaction causing itching, burning, redness or swelling. Contact with hot material can cause thermal burns which may result in permanent damage.

Chronic Skin Contact: None anticipated

Acute Eye Contact: May cause temporary discomfort or irritation. Contact with hot material can cause thermal burns which may result in permanent damage or blindness.

Acute Ingestion: May cause gastrointestinal irritation if swallowed.

Inhalation: This material does not normally present an inhalation hazard. However, in applications where vapors caused by high temperature or mists are created, breathing may cause a mild burning sensation in the nose, throat, and lungs.

Carcinogenicity: Not listed

NTP – No

IARC Monographs – No

OSHA Regulated – No

Medical Conditions Generally Aggravated by Exposure – Not Determined

Emergency and First Aid Procedures -

Ingestion: Do not induce vomiting. Have victim rinse out mouth with water, then drink sips of water to remove taste from mouth. In general, no treatment is necessary unless large quantities of product are ingested. Get medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Inhalation: Move patient to fresh air. If breathing has stopped or is labored give assisted respiration (e.g. mouth to-mouth). Supplemental oxygen may be indicated. Seek medical advice. Prevent aspiration of vomit. Turn victim's head to the side.

Skin contact: In case of contact with hot product, immediately flood the affected area with cold water. Wipe excess material from exposed area. Flush exposed skin with water and follow by washing with soap if available. Carefully remove clothing; if clothing is stuck to a burn area do not pull it off, but cut around it. Cover burn area with a clean material. Transport victim to nearest medical facility for treatment.

Eye contact: Flush with copious amount of water. Preferably lukewarm, for at least 15 minutes, holding eyelids open at all times.

Section VII—Precautions for Safe Handling and Use

Steps to Take if Material Is Released or Spilled – Avoid contact with skin and eyes. Scrape or wipe up spilled material. Collect in suitable and properly labeled containers.

Waste Disposal Method – In accordance with federal, state and local regulations.

Precautions to Be Taken in Handling and Storing – Avoid contact with eyes, skin or clothing. Avoid breathing vapor mist or spray. Use with good ventilation. Wash after handling and before eating, drinking or smoking. Keep in cool, dry, ventilated storage and in closed containers.

Transportation Information – DOT (49 CFR 171-180) – Unrestricted; IATA – Unrestricted; IMO – Unrestricted

Section VIII—Control Measures

Respiratory – N/A Monitoring – N/A Medical Surveillance – N/A

Skin protection – Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

Eyes – Safety glasses or goggles.

Ventilation – Local exhaust sources regarding industrial ventilation (i.e. ACGIH Industrial Ventilation) should be consulted for guidance about adequate ventilation.

Respiratory – Respirator that meets OSHA 1910.134 must be followed when conditions warrant use.

Section IX—Other Information

The information contained herein is based on the data available to us and is believed to be accurate. The data is offered in good faith as typical values and not product specification. The information in this data sheet was compiled from the information supplied by the vendors of the components of this compound. Neptune Research, Inc. makes no warranty either expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The recommended industrial hygiene and safe handling procedures are believed to be genuinely applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. Neptune Research, Inc. assumes no responsibility for injury from the use of the product described herein. This information is intended only to assist in the safe handling of this material.