



Innovative Composite Solutions

Section I

Neptune Research
1346 South Killian Drive
Lake Park, Florida 33403

Emergency Telephone Number – 800-535-5053
Telephone Number for Information – 800-328-0090 / 561-683-6992

Product Name – PRK/BA Epoxy 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 Terminated Polymer (None)	N/A	N/A	N/A	50-100
Polyaminoamide (68410-23-1)	N/A	NA	N/A	25-50
2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	N/A	N/A	N/A	10-25
Tetraethylenepentamine (112-57-2)	N/A	N/A	N/A	≤2.5

Section III—Physical/Chemical Characteristics

Vapor Pressure (mm Hg) – ND Specific Gravity (H2O = 1) – ND Vapor Density (AIR = 1) – ND
Evaporation Rate (Butyl Acetate = 1) , Ether =1 – N/A Boiling Point – ND Melting Point – N/A
Solubility in Water: ND
Appearance and Odor – Liquid with rotten egg-like odor

Section IV—Fire and Explosion Hazard Data

Flash Point – 220°C (428°F) Flammable Limits - N/A LEL – ND UEL - ND

Extinguishing Media: Water fog, foam, CO2, dry chemical

Special Fire Fighting Procedures: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves, and rubber boots) including a positive pressure NIOSH approved self-contained breathing apparatus.

Section V—Reactivity Data

Stability: Stable
Hazardous Decomposition or Byproducts: Nitrogen oxides, carbon monoxide and unidentified organic compounds (some containing nitrogen) may be formed during thermal or oxidative decomposition or combustion.
Hazardous Polymerization: Will not occur
Conditions to Avoid: None
Materials to Avoid: Acids and oxidizers

Section VI—Health Hazard Data

Route(s) of Entry: Skin and Eye contact
Acute Skin Contact: Contact with skin causes irritation and redness.
Chronic Skin Contact: None anticipated
Acute Eye Contact: Contact with eyes causes irritation.
Acute Ingestion: No exposure effects anticipated under normal work conditions. May cause gastrointestinal irritation if swallowed.
Inhalation: May cause sensitization if inhaled.
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, consult a physician immediately
Inhalation: Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention.
Skin contact: Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. Seek medical attention if irritation develops or persists after area is washed.
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 – Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust and dispose of spilled materials according to the applicable Federal, State, or local regulations. Do not allow to enter sewers/surface or ground water.
Waste Disposal Method – In accordance with federal, state and local regulations.
Precautions to Be Taken in Handling and Storing – Avoid contact with skin or eyes. Avoid prolonged breathing. Even empty containers can contain residues which can contain hazardous product. Contaminated leather articles including shoes should be destroyed to prevent reuse. Heating this product above 300 Deg. F in the presence of air may cause slow oxidative decomposition; above 500 Deg. F, polymerization may occur. Some epoxy resins can produce exothermic reactions which in large masses can cause runaway polymerization. Fumes and vapors from thermal and chemical decomposition may be extremely toxic. Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors. Keep in cool, dry, ventilated storage and in closed containers away from open flames, high temperatures, acids and oxidizers.
Transportation Information – DOT (49 CFR 172) - Unrestricted, IATA - 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.

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.