



Innovative Composite Solutions

Section I				
Neptune Research 1346 S. Killian Drive Lake Park, FL 33403		Emergency Telephone Number – 800-535-5053 Telephone Number for Information – 800-328-0090 / 561-683-6992		
Product Name – Syntho-Steel		Date Prepared – 06.21.10		
Section II—Hazardous Ingredients/Identity Information				
Hazardous Components (Specific Chemical Identity, Common Name(s) CAS#)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Glycidyl ether of bisphenol A resins (25086-38-6)	N/A	N/A	N/A	10-30
Tri (dimethylaminomethyl) phenol (90-72-2)	N/A	5 ppm	N/A	0.5-1.5
Section III—Physical/Chemical Characteristics				
Vapor Pressure (mm Hg) – ND	Specific Gravity (H2O = 1) – 1.9	Vapor Density (AIR = 1) – ND		Melting Point – N/A
Evaporation Rate (Butyl Acetate = 1)	Ether =1 – N/A	Boiling Point – N/A		
Solubility in Water: Insoluble				
Appearance and Odor – Grey/Black putty with sulfur/mercaptan odor				
Section IV—Fire and Explosion Hazard Data				
Flash Point – ND	Flammable Limits - N/A		LEL - N/A	UEL - N/A
Extinguishing Media: Water spray, foam, CO2, dry chemical				
Special Fire Fighting Procedures: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.				
Unusual Fire & Explosion Hazards – Fire produces aldehydes, acids, and oxides of carbon, nitrogen and sulfur.				
Section V—Reactivity Data				
Stability: Stable		Hazardous Decomposition or Byproducts: Aldehydes, acids and oxides of carbon, nitrogen, and sulfur		
Incompatibility (Materials to Avoid) None				
Hazardous Polymerization: Will not occur				
Conditions to Avoid: None				
Section VI—Health Hazard Data				
Route(s) of Entry: Skin and Eye contact				
Acute Skin Contact: May be irritating and sensitizer from direct skin contact.				
Chronic Skin Contact: None anticipated				
Acute Eye Contact: May be irritating and sensitizer from direct eye contact.				
Acute Ingestion: Ingestion is unlikely. Intentional ingestion may cause irritation of intestinal tract.				
Inhalation: None expected under normal conditions of use. Fumes produced by burning may be irritating and toxic.				
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 – Collect and properly dispose of spilled material.				
Waste Disposal Method – In accordance with federal, state and local regulations.				
Precautions to Be Taken in Handling and Storing – Store in cool, dry, well-ventilated area (<90° F (32° C)). Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Wash contaminated goggles, face shield, and gloves. Professionally launder contaminated clothing before re-use.				
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.				