



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 – Trident-Seal Putty	Date Prepared – 10.21.10

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 (H20 = 1) – 1.9	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 – 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
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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.