



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 – Thermo-Fill

Date Prepared – 7.27.11

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s) CAS#)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Diglycidyl Ether of Bisphenol A (CAS #25068-38-6)	N/A	N/A	N/A	7-13
Polyamid Resin (CAS #68410-23-1)	N/A	N/A	N/A	7-13
Diglycidyl Ether of Bisphenol A (CAS #25036-25-3)	N/A	N/A	N/A	7-13
Polyamide Resin (CAS #68410-23-1)	N/A	N/A	N/A	5-10
Zinc Sulfide (CAS #1314-98-3)	N/A	N/A	N/A	5-10
Modified Cycloaliphatic Amine Mixture (CAS #Unknown)	N/A	N/A	N/A	1-5

Section III—Physical/Chemical Characteristics

Vapor Pressure (mm Hg) – N/A Specific Gravity (H2O = 1) – 1.94611 Vapor Density (AIR = 1) – N/A
Evaporation Rate (Butyl Acetate = 1) Ether = 1 – N/A Boiling Point – N/A Melting Point – N/A
Solubility in Water: Insoluble in water
Appearance and Odor – Putty with mercaptan/sulfur odor

Section IV—Fire and Explosion Hazard Data

Flash Point – >200°F Flammable Limits - N/A LEL – N/A UEL - N/A
Extinguishing Media: Foam, alcohol foam, CO2, dry chemical, water fog, other

Special Fire Fighting Procedures: Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool. Fire fighters and other who may be exposed to the products of combustion should be equipped with NIOSH approved positive pressure self-contained breather apparatus (SCBA) and full protective clothing.

Section V—Reactivity Data

Stability: Stable
Hazardous Decomposition or Byproducts: Carbon dioxide, aldehydes, acids, oxides of sulfur and nitrogen.
Incompatibility (Materials to Avoid): None
Hazardous Polymerization: Will not occur
Conditions to Avoid: N/A
Materials to Avoid: N/A

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: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Inhalation: Vapors are unlikely due to physical properties.
Carcinogenicity: Following ingredient are present in this material and are subject to reporting in accordance to the Pennsylvania, New Jersey, and/or Massachusetts Right to Know (RTK) laws:
Magnesium Silicate Hydrates (CAS #14807-96-6)
Calcium Carbonate (CAS #1317-65-3)
Ceramic Spheres (CAS #66405-68-4)
Titanium Powder (CAS #7440-32-6)

NTP – No IARC Monographs – No OSHA Regulated – No

Medical Conditions Generally Aggravated by Exposure – Not Determined

Emergency and First Aid Procedures -

Ingestion: No emergency medical treatment necessary.

Inhalation: N/A

Skin contact: 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. If effects occur, consult a physician.

Note to Physicians: Consider additional through skin wash with mild, non-abrasive soap and plenty of warm water for at least fifteen minutes.

Section VII—Precautions for Safe Handling and Use

Steps to Take if Material Is Released or Spilled – Pick up material and dispose of 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. Wash thoroughly after use and before work breaks. Keep in cool, dry and well ventilated area with temperature less than 90°F.

Transportation Information – DOT (49 CFR 172) - Unrestricted, IATA - Unrestricted

Section VIII—Control Measures

Respiratory – None required in a well ventilated area. 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.



Innovative Composite Solutions

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.
