



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 – Trident Epoxy Part B (Catalyst)	Date Prepared – 12.06.11

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s) CAS#)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Trade Secret Resins	N/A	N/A	N/A	20-50
Benzyl Alcohol (100-51-6)	0.1 mg/m3	N/A	N/A	12-24
4, 4'-Methylenebis(2-chloroaniline) (1761-71-3)	N/A	N/A	N/A	20-50

Section III—Physical/Chemical Characteristics

Vapor Pressure (mm Hg) – N/A	Specific Gravity (H2O = 1) – 1.60	Vapor Density (AIR = 1) – N/A	Freezing Point - N/A
Boiling Point – N/A	Solubility in Water: Negligible	Appearance and Odor – Green Heavy Paste Fluid with an ammonia odor	
Viscosity: Heavy Paste Fluid	VOC: 37.5 gm/liter	Density at 20°C: 13.3 lbs/gallon	

Section IV—Fire and Explosion Hazard Data

Flash Point – 219°F	Flammable Limits - N/A	LEL - N/A	UEL - N/A
Extinguishing Media: Water Spray, Foam, Dry Chemical, Dry Sand or Limestone			
Special Fire Fighting Procedures: Firefighters should wear butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus. Ignition leads to class IIIB fire.			

Section V—Reactivity Data

Stability: Stable
 Hazardous Decomposition or Byproducts: Fumes produced when heated may include oxides of carbon, nitrogen oxides, aldehydes, nitrosamines, amines, ammonia, organic acid vapors and unspecified others.
 Incompatibility (Materials to Avoid) Acids, (e.g. Sulfuric, Phosphoric, Acetic, Citric etc.). Oxidizing and reducing agents (e.g. Perchlorates, Nitrates, Hydrides and Sulfites etc.).
 Hazardous Polymerization: Will not occur
 Conditions to Avoid: Mixing large volumes with epoxy curing agents. Volumes of one gallon are safe however expect a significant exotherm within 30 - 40 minutes at 70°F.
 CAUTION: N-Nitrosamines, many of which are known to be potent carcinogens may be formed when the product comes into contact with Nitric acid, atmospheres with high nitrous oxide concentrations, nitrates.

Section VI—Health Hazard Data

Route(s) of Entry: Skin and Eye contact
 Acute Skin Contact: Exposure may cause skin irritation and burns.
 Chronic Skin Contact: Mild skin irritant. May cause adverse effects (such as defatting rash, irritation or corrosion). Product is absorbed through the skin and may cause nausea, headache, and general discomfort.
 Acute Eye Contact: Product vapor in low concentrations can cause lacrimation (watering or tearing), conjunctivitis and corneal edema when absorbed into the tissue of the eye from atmosphere. Corneal adema may give rise to a perception of "blue haze" or "fog" around lights. The effect is transient and has no known residual effect.
 Acute Ingestion: May cause gastrointestinal irritation if swallowed. Never give anything by mouth to an unconscious person.
 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. Prevent aspiration of vomit. Turn victims head to side. Seek medical advice.
 Carcinogenicity: Not listed
 NTP – No IARC Monographs – No OSHA Regulated – No
 Medical Conditions Generally Aggravated by Exposure – Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product, exercise caution in handling. Remove from skin using liquid soap or detergent - always avoid using solvents to remove skin contamination.

Emergency and First Aid Procedures -
Ingestion: In the event of ingestion, administer 3-4 glasses of water. Do not induce vomiting. Seek medical advice.
Inhalation: In normal use inhalation is extremely unlikely. If breathing has stopped or is labored give mouth-to-mouth assistance, prevent aspiration of vomit, move to fresh air, and call a physician.
Skin contact: Remove from skin using soap and water. Avoid using solvents to remove any skin contamination. Remove contaminated shoes and clothing. DO NOT APPLY GREASES OR OINTMENTS. Victims of a major skin contact should remain under medical observation for at least 24 hours due to possible delayed effects.
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 172) - Unrestricted, IATA – Unrestricted

Section VIII—Control Measures

Respiratory – It is extremely unlikely that harmful concentrations of volatile materials will be released during normal applications by spreaders, trowels or similar tools in open areas. Wear organic vapor cartridge respirator or fresh air hood if working for extended periods in enclosed spaces with minimum ventilation. Application by heated, plural component airless spray requires the use of fresh air hood.
 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.



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