

Safety Data Sheet
Thermo-Poxy™ Epoxy Base - Part A

I. Product and Company Identification

Product Name: Thermo-Poxy Epoxy Base – Part A
Supplier: NRI 3875 Fiscal Court, Ste #100 Riviera Beach, FL 33404 (561) 683-6992
Emergency Phone Number: 800-535-5053
Product Use: Pipe coating repair and reinforcement.
Chemical Name or Synonym: N/A

II. Hazards Identification

Warning



Hazard Statement: May cause eye irritation. Prolonged or repeated skin contact may cause irritation, may cause allergic skin reaction. Harmful if inhaled. Harmful if swallowed.

Precautionary Statement: Ensure good ventilation/exhaustion at the workplace. Do not get in eyes or on skin or clothing. If exposed flush with copious amount of lukewarm water, for at least 15 minutes, holding eyelids open at all times.

National Fire Protection Association Hazard Ratings – NFPA(R):

Health Hazard: 2
 Flammability: 1
 Reactivity: 1

III. Composition/ Information on Ingredients

Component	CAS#	%Composition
(Chloromethyl) oxirane 4,4'- (1-Methylethylidene) bisphenol copolymer	25068-38-6	<1
Reaction product with epichlorohydrin & bisphenol A	25085-99-8	10-15
Epoxy phenol novolac resin	28064-14-4	20-60
Siloxanes & silicones, di-ME, reaction products with silica	67762-90-7	1-5
Polyoxyethylene sorbitan monolaurate	9005-64-5	0.1-1
Gamma-glycidoxypropyltrimethoxysilane	2530-83-8	0.1-1
Butadiene acrylic copolymer	Proprietary	5-10

IV. First Aid Measures

First Aid Measures for Accidental:

Inhalation: If fumes or vapors are inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention immediately.

Ingestion: Call a physician or poison control center immediately. If swallowed do not induce vomiting unless directed to do so by medical personnel. In general, no treatment is necessary unless large quantities of product have been ingested. Get medical advice.



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Eye contact: In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists. If contact with hot product occurs, immediately flush with cool water for 15 minutes. Get immediate medical attention.

Skin contact: Remove contaminated clothing and shoes. Wipe excess product from skin. Wash affected skin with soap and plenty of water. Get prompt medical attention if irritation occurs. Do not reuse contaminated clothing until cleaned. If contact with hot product occurs, immediately flush with cool water for 15 minutes. Carefully remove clothing. If clothing is stuck to burn area, do not pull off, but cut around it. Cover burn area with clean material. Get immediate medical attention.

Notes to Physician: Allergic dermatitis or respiratory response in susceptible individuals may be delayed. It may appear after weeks or even months of frequent and prolonged contact.

Chronic effects: Repeated overexposure may cause kidney damage and may cause reproductive effects. Prolonged or repeated exposure can cause allergic reaction. Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Preexisting skin or lung allergies may increase the chance of developing increased allergy symptoms from exposure.

V. Fire Fighting Measures

Extinguishing Media: Carbon dioxide, dry chemical, or water spray may be released upon combustion. Do not use a solid stream of water. A solid stream of water can spread fire.

Special Fire Fighting Procedures: Water can be used to cool and protect exposed material and keep containers from rupturing.

Special Protective Equipment for Fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

VI. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Do not touch or walk through spilled material. Provide adequate ventilation. Wear respirator and personal protective equipment as appropriate to prevent skin and eye contact. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

Cleanup and Disposal of Spill: Clean up all traces of spill as much as possible. Shovel material into clean, dry containers. On hard surfaces use absorbent material to pickup remainder and on loose surfaces shovel-up contaminated layer. Dispose of materials according to the applicable Federal, State, or Local regulations.

VII. Handling and Storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Avoid contact with eyes and skin. Do not ingest. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

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Conditions for safe storage including any incompatibilities: Do not store above 95°F (35°C). Keep away from open flames. Melted material may cause thermal burns. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

VIII. Exposure Controls / Personal Protection

Exposure Guidelines: The exposure limits for all the ingredients according to ACHIG, NIOSH and OSHA-PELs haven't been evaluated.

Appropriate Engineering Controls: Explosion-proof local exhaust ventilation at point of contaminant release.

Personal Protective Equipment: Wear respirator (MSHA/NIOSH or approved equivalent) suitable for concentrations and type of air contaminants encountered. Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166. Permeation resistant gloves (butyl rubber, nitrile, and polyvinyl alcohol). However, please note that polyvinyl alcohol degrades in water. Cover as much of the exposed area as possible with protective clothing. If skin creams are used, keep the area covered by the cream to a minimum.

IX. Physical and Chemical Properties

Physical Appearance:	Yellow viscous paste	
Odor:	Mild	
pH:	ND	
Flash Point:	Not evaluated	
Melting Point Range:	NA	
Flammability Limits (vol/vol%):	Lower: ND	Upper: ND
Specific Gravity:	1.2	
Viscosity:	~60,000 cP	
Water Solubility:	Negligible	
Vapor Pressure:	Negligible	
Vapor density (Air=1)	>1	
Percent Volatiles by Volume:	0 lb/gal	

X. Stability and Reactivity

Hazardous Polymerization: Will not occur.

Chemical Stability: Stable under standard use and storage conditions.

Possibility of Hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: Elevated temperatures.

Incompatible Materials / Chemicals: Strong oxidizing agents and acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

XI. Toxicological Information

Eye contact: Eye contact may cause moderate irritation. Contact with hot product may cause thermal burns.

Skin: Skin contact may cause irritation or sensitization which may result in rash or hives. Contact with hot product may cause burns.

Chronic Health Effects:



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General: Repeated overexposure may cause kidney damage and may cause reproductive effects.

Carcinogenicity: The chemicals listed in Section 2 are not considered to be carcinogenic by NTP, IARC, or OSHA

Eye contact: Eye contact may cause moderate irritation. Contact with hot product may cause thermal burns.

Skin: Skin contact may cause irritation or sensitization which may result in rash or hives. Contact with hot product may cause burns.

XII. Ecological Information

Ecotoxicological Information:

Degradation: Not Determined

Accumulation: Not Determined

Fish-Toxicity: Not Determined

Chemical Fate Information: Keep out of surface waters, sewers and waterways entering or leading to surface waters. Notify authorities if any exposure to the general public or environment occurs or is likely to occur.

XIII. Disposal Considerations

Waste Disposal Method: Discard any product, residue, disposable container or liner in full compliance with Federal, State, and Local regulations.

Container Handling and Disposal: Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur. Dispose of container and unused contents in accordance with federal, state, and local regulations.

XIV. Transportation Information

DOT

UN-Number: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard Class: 9

Packing Group: III

IATA

UN-Number: UN3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Hazard Class: 9

Packing Group: III

Note: When packed with non-DG materials Special Provision A197 applies for inner container quantities of 5L or less.

ERG Code: 9L

XV. Regulatory Information

Federal Regulations:



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SARA Title III Hazard Classes:

Fire Hazard:	NO
Reactive Hazard:	NO
Release of Pressure:	NO
Acute Health Hazard:	YES
Chronic Health Hazard:	YES

Other Federal Regulations:

State Regulations:

California Prop. 65: Quartz (SiO₂), Arsenic CAS, and Lead are listed.

XVI. Other Information

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

OSHA – Occupational Safety and Health Administration

NIOSH – National Institute for Occupational Safety and Health

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 as product specification. The information in this data sheet was compiled from information supplied by the vendors of the components of this compound. NRI 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. NRI assumes no responsibility for injury from the use of the product described herein. The information is intended only to assist in the safe handling of this material.

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