

Safety Data Sheet  
Thermo-Poxy™ Curing Agent - Part B

**I. Product and Company Identification**

**Product Name:** Thermo-Poxy Curing Agent – Part B  
**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**



**Danger**

**Hazard Statement:** CAUTION: May cause eye irritation. Prolonged or repeated skin contact may cause irritation or allergic skin reaction. Harmful if inhaled or swallowed. May cause allergic respiratory reaction and lung injury. Avoid temperatures above 105 °F (41C). Toxic flammable gases and heat are released under decomposition conditions. Toxic fumes may be released in fire situations.

**Precautionary Statement:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Do not get in eyes or on skin or clothing.

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

Health Hazard: 3  
 Flammability: 1  
 Reactivity: 2

**III. Composition/Information on Ingredients**

Component	CAS#	%Composition
Tetraethylenepentamine	112-57-2	4-20
Methyleneoxide, polymer with benzenamine, hydrogenated	135108-88-2	5-20
Methylenebis(cyclohexanamine, 4,4'	1761-71-3	50-80
Benzyl dimethylamine	103-83-3	1-10
Gamma-aminopropyltriethoxysilane	919-30-2	0.1-2
Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	0.2-1

**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.

**Eye Exposure:** In case of contact, hold eyelids apart and immediately flush eyes with warm water for at least 15 minutes. If contact with hot product occurs, immediately flush with cool water for 15 minutes. Get immediate medical attention.

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**Skin Exposure:** Remove contaminated clothing and shoes. Wash affected skin with soap and plenty of water. Get prompt medical attention if irritation occurs. Do not reuse contaminated clothing until cleaned. 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.

**V. Fire Fighting Measures**

**Extinguishing Media:** Use fire fighting measures that suit the environment: carbon dioxide, dry chemical, or water spray.

**Special Fire Fighting Procedures:** Water can be used to cool and protect exposed material and keep containers from rupturing. Keep fire-exposed containers cool with water. Do not use a solid stream of water. A solid stream of water can spread fire. Carbon oxides and other potentially hazardous compounds may be released upon combustion.

**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:** Keep unnecessary and unprotected personnel from entering. 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). May cause irritation. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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.

**Conditions for safe storage including any incompatibilities:** Do not store above 95°F. 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. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container.

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**VIII. Exposure Controls / Personal Protection**

**Exposure Guidelines:** The exposure limits for all the ingredients according to ACHIG, NIOSH and OSHA-PELs have not been evaluated.

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

**Personal Protection:** Wear respirator (MSHA/NIOSH or approved equivalent) suitable for concentrations and type of air contaminants encountered. Wear appropriate safety glasses with side shields as described by OSHA's eye and face protection regulations. Wear permeation resistant gloves. 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**

<b>Physical Appearance:</b>	Red liquid	
<b>Odor:</b>	Mild	
<b>pH:</b>	ND	
<b>Flash Point:</b>	>230°F (>110°C)	
<b>Evaporation Rate:</b>	<1 (Butyl Acetate = 1)	
<b>Method Used:</b>	Estimated	
<b>Flammability Limits (vol/vol%):</b>	<b>Lower:</b> ND	<b>Upper:</b> ND
<b>Specific Gravity:</b>	0.97	
<b>Water Solubility:</b>	Negligible	
<b>Vapor Pressure:</b>	Not evaluated	
<b>Vapor Density:</b>	>1 (Air = 1)	
<b>Viscosity:</b>	120 cP	
<b>VOC content:</b>	0 g/L	

**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.

**Inhalation:** Product vapor or mist may possibly be harmful if inhaled.

**Skin contact:** Skin contact may cause moderate irritation. Contact with similar products has been associated with skin sensitization. Sensitization may result in rashes and hives. Contact with hot product may cause thermal burns.

**Ingestion:** Ingestion is unlikely. Substance may possibly be harmful if ingested.

**Chronic Health Effects**

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

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**Mutagenicity (Genetic Effects):**

Not Determined

**Carcinogenicity:** The chemicals listed in Section 3 are not considered to be carcinogenic by NTP, IARC, or OSHA

**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.

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**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:** Dispose of container and unused contents in accordance with Federal, State, and Local regulations.

**XIV. Transportation Information**

**DOT**

**UN-Number:** UN2735

**Proper Shipping Name:** Amine, liquid, corrosive, n.o.s

**Hazard Class:** 8

**Packing Group:** II

**IATA**

**UN-Number:** UN2735

**Proper Shipping Name:** Amine, liquid, corrosive, n.o.s

**Hazard Class:** 8

**Packing Group:** II

**ERG Code:** 8L

**XV. Regulatory Information**

**Federal Regulations:**

**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: This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

**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



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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.

(R9) Revision date: 06.06.17