

**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 Description:** Epoxy solution  
**Product Use:** Intended to repair pipes  
**Chemical Name or Synonym:** N/A

**II. Hazards Identification**

**Classification of the substance or mixture:**

Skin corrosion/irritation – Category 2  
Serious eye damage/eye irritation – Category 2  
Skin sensitization - Category 1  
Chronic Aquatic Toxicity – Category 2

**Physical hazards:** None

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

**Symbol(s):** Xn - Harmful

N - Dangerous for the environment

**R-code(s):** Xn;R20/22 - Xi;R36/38 - R43 - N;R51/53

*For the full text of the R-phrases mentioned in this Section, see Section 16*

**Label Elements:**



**Hazard Statements:**

H311 Toxic in contact with skin  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H411 Toxic to aquatic life with long lasting effects

**Signal Word:** Warning

**Precautionary Statement:**

P362 - Take off contaminated clothing and wash before reuse  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

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P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P273 - Avoid release to the environment

P391 - Collect spillage

### III. Composition/ Information on Ingredients

| Chemical Name                                     | EC-No     | CAS-No     | Weight %    | Classification                 | EU – GHS Substance Classification   | REACH No.         |
|---|-----------|------------|-------------|--------------------------------|---|-------------------|
| Phenol, polymer with formaldehyde, glycidyl ether | -         | 28064-14-4 | 27.5 - 50.6 | Xi;R36/38<br>R43<br>N;R51/53   | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Skin Sens. 1 (H317) Aquatic Chronic 2 (H411) | No data available |
| Bisphenol A - Epichlorohydrin polymer             | 500-033-5 | 25068-38-6 | 15.8-69.8   | Xi; R36/38<br>R43<br>N; R51-53 | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Skin Sens. 1 (H317) Aquatic Chronic 2 (H411) | No data available |
| Barium sulfate                                    | Present   | 7727-43-7  | 2.0-17.7    | Xn; R20/22                     | -   | No data available |

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

### IV. First Aid Measures

#### First Aid Measures for Accidental:

**General Advice:** If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove material from skin immediately In the case of skin irritation or allergic reactions see a physician.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Protection of First-aiders** Use personal protective equipment. Avoid contact with skin, eyes and clothing

#### Most important symptoms/effects, acute and delayed:

**Most Important Symptoms/Effects:** Hives. Itching. Rashes. Eye irritation/reactions. Skin irritation

**Notes to Physician:** May cause sensitization of susceptible persons. Treat symptomatically

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### V. Fire Fighting Measures

**Suitable Extinguishing Media:** Water fog. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Extinguishing media which must not be used for safety reasons:** No information available.

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:** May cause sensitization by skin contact. Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained breathing apparatus and full protective gear.

### VI. Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Avoid contact with skin, eyes and clothing. Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

**Environmental precautions:** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Avoid release to the environment.

**Methods and materials for containment and cleaning up:** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water.

**Reference to other sections:** See Section 12 for additional information.

### VII. Handling and Storage

**Precautions for safe handling:** Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not take internally.

**Hygiene Measures:** When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing. Wash thoroughly after handling.

**Conditions for safe storage including any incompatibilities:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

**Specific end use(s):**

**Exposure Scenario:** No information available.

**Other Guidelines:** No information available

### VIII. Exposure Controls / Personal Protection

#### Exposure Limits:

| Chemical Name  | EU | The United Kingdom  | France | Spain                     | Germany   | Italy | Portugal                  | Poland |
|----------------|----|---|--------|---------------------------|---|-------|---------------------------|--------|
| Barium sulfate | -  | STEL: 30 mg/m <sup>3</sup><br>STEL: 12 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup><br>TWA: 4 mg/m <sup>3</sup> | -      | TWA: 10 mg/m <sup>3</sup> | TWA: 4 mg/m <sup>3</sup><br>TWA: 1.5 mg/m <sup>3</sup><br>Ceiling / Peak: 4 mg/m <sup>3</sup> | -     | TWA: 10 mg/m <sup>3</sup> | -      |

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| Chemical Name  | The Netherlands | Denmark | Finland | Austria | Switzerland | Norway  | Ireland   |
|----------------|-----------------|---------|---------|---------|-------------|---|---|
| Barium sulfate | -               | -       | -       | -       | -           | TWA:0.5 mg/m <sup>3</sup><br>STEL:1.5 mg/m <sup>3</sup> | TWA: 2 mg/m <sup>3</sup><br>STEL: 6 mg/m <sup>3</sup> |

**Derived No Effect Level:** No information available

**Predicted No Effect Concentration (PNEC):** No information available

**Engineering Measures:** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment:**

**Eye Protection:** Safety glasses with side-shields. Risk of contact: Tightly fitting safety goggles.

**Skin and Body Protection:** Impervious clothing.

**Hand Protection:** Impervious gloves.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Environmental Exposure Controls:** Do not allow material to contaminate ground water system.

**IX. Physical and Chemical Properties**

**Physical Appearance:** Yellow viscous paste  
**Odor:** No information available  
**pH:** No data available  
**Flash Point:** No data available  
**Melting Point Range:** No data available  
**Boiling point:** No data available  
**Evaporation rate (ether=1):** No data available  
**Flammability (solid, gas):** No data available  
**Specific Gravity:** No data available  
**Viscosity:** ~98,000 cP  
**Water Solubility:** No data available  
**Solubility in other solvents:** No data available  
**Vapor Pressure:** No data available  
**Vapor density (Air=1)** No data available  
**Relative Density:** No data available  
**Partition coefficient (n-octanol/water):** No data available  
**Auto-ignition Temperature:** No data available  
**Decomposition Temperature:** No data available  
**Explosive Properties:** No information available  
**Oxidizing Properties:** No information available  
**VOC Content(%):** No information available  
**Flammability Limits in Air:** No data available  
**Remarks/Method for each test is not known.**

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**X. Stability and Reactivity**

**Reactivity:** Not data available

**Chemical Stability:** Stable under standard normal conditions.

**Possibility of Hazardous reactions:** None under normal processing.

**Conditions to Avoid:** To avoid thermal decomposition, do not overheat. Incompatible products.

**Incompatible Materials / Chemicals:** Acids. Bases. Amines. Strong oxidizing agents.

**Hazardous Decomposition Products:** Phenols. Carbon monoxide (CO), carbon dioxide (CO<sup>2</sup>).

**XI. Toxicological Information**

**Acute Toxicity**

**Product Information**

**Inhalation:** No known effect.

**Eye Contact:** Irritating to eyes. Causes serious eye irritation.

**Skin Contact:** Irritating to skin. Causes skin irritation. May cause allergic skin reaction

**Ingestion:** May be harmful if swallowed.

| Chemical Name                         | LD50 Oral          | LD50 Dermal | LC50 Inhalation |
|---------------------------------------|--------------------|-------------|-----------------|
| Bisphenol A – Epichlorohydrin polymer | 11,400 mg/kg (rat) | -           | -               |

**Sensitization:** May cause sensitization of susceptible persons. May cause sensitization by skin contact.

**Mutagenic Effects:** No information available.

**Carcinogenic Effects:** No information available.

**Reproductive Toxicity:** No information available.

**Developmental Toxicity:** No information available.

**STOT - single exposure:** No information available.

**STOT - repeated exposure:** No information available.

**Target Organ Effects:** Eyes. Respiratory system.

**Aspiration Hazard:** No information available.

**XII. Ecological Information**

**Ecotoxicity Effects:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available

**Mobility in soil:** Absorbs on soil

**Results of PBT and vPvB assessment:** No information available

**Other adverse effects:**

| Chemical Name | EU - Endocrine Disrupters Candidate List | EU - Endocrine Disruptors | Japan - Endocrine Disruptor Information |
|---------------|--|---------------------------|---|
|               |  |                           |   |

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|                                       |                    | Evaluated Substances |   |
|---------------------------------------|--------------------|----------------------|---|
| Bisphenol A – Epichlorohydrin polymer | Group III Chemical | -                    | - |

**XIII. Disposal Considerations**

**Waste treatment methods:** Dispose of in accordance with local regulations

**Uncleaned packagings:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other Information** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

**XIV. Transport Information**

**DOT**

**UN-Number:** UN3082

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

**Hazard Class:** 9

**Packing Group:** III

**IMDG/IMO**

**UN-Number:** UN3082

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

**Hazard Class:** 9

**Packing Group:** III

**RID**

**UN-Number:** UN3082

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

**Hazard Class:** 9

**Packing Group:** III

**ADR**

**UN-Number:** UN3082

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

**Hazard Class:** 9

**Packing Group:** III

**ICAO**

**UN-Number:** UN3082

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s.

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**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

**I. Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**International Inventories:**

| TSCA | EINECS/ELINCS | DSL/NDSL | PICCS | ENCS | IECSC | AICS | KECL |
|------|---------------|----------|-------|------|-------|------|------|
| -    | -             | -        | -     | -    | -     | -    | -    |

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**Chemical Safety Assessment:** No information available

**II. Other Information**

**Full text of R-phrases referred to under Sections 2 and 3:**

R43 - May cause sensitization by skin contact

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R36/38 - Irritating to eyes and skin

R20/22 - Harmful by inhalation and if swallowed

**Full text of H-Statements referred to under sections 2 and 3:**

H315 - Causes skin irritation



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H319 - Causes serious eye irritation  
H317 - May cause an allergic skin reaction  
H411 - Toxic to aquatic life with long lasting effects

**Key literature references and sources for data:** [www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

**Key Legend Information:**

N/A – Not Applicable  
ND – Not Determined  
OSHA – Occupational Safety and Health Administration  
NIOSH – National Institute for Occupational Safety and Health

**This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006.**

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