

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

I. Product and Company Identification

Product Name: Thermo-Poxy Inspectable 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
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

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

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 R43 N;R51/53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) 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 R43 N; R51-53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) 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

V. Fire Fighting Measures

Suitable Extinguishing Media: Water fog. Carbon dioxide (CO₂). 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

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

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 ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	-	TWA:10 mg/m ³	TWA: 4 mg/m ³ TWA: 1.5 mg/m ³ Ceiling / Peak: 4 mg/m ³	-	TWA: 10 mg/m ³	-
Chemical Name	The Netherlands	Denmark	Finland	Austria	Switzerland	Norway	Ireland	
Barium sulfate	-	-	-	-	-	TWA:0.5 mg/m ³ STEL:1.5 mg/m ³	TWA: 2 mg/m ³ STEL: 6 mg/m ³	

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

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.	

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 (CO²).

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

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 Disruptors Candidate List	EU - Endocrine Disruptors Evaluated Substances	Japan - Endocrine Disruptor Information
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

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

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.
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/ELINC	DSL/NDL	PICCS	ENCS	IECSC	AICS	KECL
-------------	---------------------	----------------	--------------	-------------	--------------	-------------	-------------

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

	S						
-	-	-	-	-	-	-	-

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
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/

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.

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.