

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 Description: Hardener 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 1
 Skin sensitization - Category 1

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): Xi – Irritant

R-code(s): R43

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

Label Elements:



Hazard Statements:

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage

Signal Word: Danger

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
 P310 - Immediately call a POISON CENTER or doctor/ physician
 P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
 P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

III. Composition/ Information on Ingredients

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU – GHS Substance Classification	REACH No.
Trade Secret	Listed	-	60 - 100	R43	Skin Sens.1 (H317)	No data available

Safety Data Sheet
Thermo-Poxy™ Curing Agent Part B

Trade Secret	Listed	-	1.4 – 4.9	Xn; R22 C; R34	Acute Tox. 4 (H302) Skin Corr. 1B (H314)	No data available
1,5-Pentanediamine, 2-methyl	239-556-6	15520-10-2	0.0-0.6	Xn; R22 R43	Skin Sens.1 (H317)	No data available
Cyclopentanemethanamine, 2-amino	244-434-0	21544-02-5	0.0-8.0	R43	Skin Sens.1 (H317)	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: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact: Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

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. Serious eye irritation or damage.

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

V. Fire Fighting Measures

Suitable Extinguishing Media: Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO2).

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 and nitrogen 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. 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.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

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

Safety Data Sheet
Thermo-Poxy™ Curing Agent Part B

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	Italy	Portugal	The Netherlands	Finland	Denmark
Trade secret (1.4 – 4.9)	-	-	-	TWA: 3 ppm TWA: 28 mg/m ³ STEL: 6 ppm STEL: 55mg/m ³	-

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: 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:	Red liquid
Odor:	Amine
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:	44 cP
Water Solubility:	No data available
Solubility in other solvents:	No data available

Safety Data Sheet
Thermo-Poxy™ Curing Agent Part B

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: Incompatible products.
Incompatible Materials / Chemicals: Strong oxidizing agents. Strong acids. Acid chlorides. Acid anhydrides.
Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides. Nitrogen oxides (NOx).

XI. Toxicological Information

Acute Toxicity
Product Information
Inhalation: No known effect.
Eye Contact: Causes serious eye damage.
Skin Contact: Causes skin irritation. May cause allergic skin reaction
Ingestion: May be harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trade secret	4556 mg/kg (rat)	-	-
Trade secret	1780 mg/kg (rat)	4mL/kg (rabbit)	-

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.
Aspiration Hazard: No information available.

XII. Ecological Information

Ecotoxicity Effects: Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Safety Data Sheet
Thermo-Poxy™ Curing Agent Part B

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: This product does not contain any known or suspected endocrine disruptors

XIII. Disposal Considerations

Waste treatment methods: Dispose of in accordance with local regulations

Uncleaned packaging: 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: 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

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

International Inventories:

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

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

XVI. Other Information

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

R43 - May cause sensitization by skin contact

R34 – Causes burns

R22 - Harmful if swallowed

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

H302 - Harmful if swallowed

H314 – Causes severe skin burns and eye damage

H315 - Causes skin irritation H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

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.

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