

Safety Data Sheet
Syntho-Poxy 101 Part B

1. Product and Company Identification

Product Name: Syntho-Poxy 101 Activator (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 resin
Product Use: Intended to repair pipes
Chemical Name or Synonym: N/A

2. Hazards Identification

Classification of the substance or mixture:

Acute toxicity oral – Category 4
 Skin corrosion/irritation – Category 1B
 Skin sensitization - Category 1
 Mutagenicity – Category 2
 Reproductive toxicity – Category 2

Label Elements:



Hazard Statements:

H302 Harmful if swallowed
 H314 Causes skin irritation.
 H317 May cause an allergic skin reaction
 H341 Suspected of causing genetic defects
 H361 Suspected of damaging fertility

Signal Word: Danger

Precautionary Statement:

P102: Keep out of reach of children.
 P202: Do not handle until all safety precautions have been read and understood.
 P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
 P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+352: IF ON SKIN: Wash with plenty of water/.
 P501: Dispose of contents/container to hazardous or special waste collection point

3. Composition/ Information on Ingredients

Chemical Name	CAS-No	Weight %
Formaldehyde polymer with phenol and teta	32610-77-8	10 – 30

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2,2'-iminodiethylamine	111-40-0	1 – 10
4,4'-isopropylidenediphenol	80-05-7	1 – 10
3,6-diazaoctanethylenediamine	112-24-3	1 – 10
Phenol	108-95-2	1 – 10

4. First Aid Measures

First Aid Measures for Accidental:

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Most important symptoms/effects, acute and delayed:

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Indication of immediate medical attention and special treatment needed: No information available

5. Fire Fighting Measures

Suitable Extinguishing Media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Unsuitable Extinguishing Media: No information available.

Special Protective Equipment and Precautions for Fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

Specific Hazards Arising from the Chemical (Under Fire Conditions): Corrosive. In combustion emits toxic fumes.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental Precautions: Prevent entry into sewers, water courses, basements or confined areas.

Methods and Materials for Containment and Cleaning Up: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

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7. Handling and Storage

Precautions for Safe Handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse empty container.

Conditions for safe storage including any incompatibilities: Store in a cool, dry place with adequate ventilation. Keep in original containers. Store in tightly closed containers to prevent moisture absorption and loss of volatiles. Store away from heat and open flame.

8. Exposure Controls / Personal Protection

Exposure Guidelines: None established

Appropriate Engineering Controls: Ventilation must be adequate for most operations.

Personal Protective Equipment:

Respiratory Protection: In case of inadequate ventilation wear respiratory protection. Use respirators when exposure to vapors from heated material. Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Eye / Face Protection: Wear safety glasses with side shields or chemical splash goggles when exposure is more likely.

Skin Protection: Wear chemical resistant gloves (nitrile-butyl rubber, neoprene, butyl rubber or natural rubber) and full body-covering clothing.

Additional protective measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and Chemical Properties

Physical State:	Paste
Colour:	Pale grey
Odour:	Ammoniacal
Melting Point/ Freezing Point:	No data available
Boiling point:	No data available
Flammability (solid, gas):	No data available
Lower and Upper Explosion limits/ Flammability Limits:	No data available
Flash Point:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	No data available
Solubility:	No data available
Evaporation rate (ether=1):	No data available
Flammability Limits in Air:	No data available
Solubility in other solvents:	No data available
Partition coefficient (n-octanol/water):	No data available

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Vapour Pressure:	No data available
Viscosity:	No data available
Density and/or Relative Density:	1.70 (water = 1)
Relative Vapour Density:	No data available
Particle Characteristics:	No data available

10. Stability and Reactivity

Reactivity: Stable under recommended transport or storage conditions.

Chemical Stability: Stable under standard normal conditions.

Possibility of Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below

Conditions to Avoid: Heat.

Incompatible Materials / Chemicals: Strong acids. Strong oxidising agents.

Hazardous Decomposition Products: In combustion emits toxic fumes.

11. Toxicological Information

Information in the likely route of exposure:

Potential Acute Health Effects:

Acute toxicity: Hazardous (Calculated basis). Route: Ingestion

Corrosivity: Hazardous (Calculated basis). Route: Dermal

Sensitization: Hazardous (Calculated basis). Route: Dermal

Symptoms related to the physical, chemical and toxicological characteristics:

Irritation effect: Hazardous (Calculated basis)

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Potential Chronic Health Effects:

Sensitization: No information available.

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: No information available.

Aspiration Hazard: No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure: Immediate effects can be expected after short-term exposure.

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Numerical measures of toxicity:

Product	Endpoint	Species	Results	Exposure
2,2'-iminodiethylamine	LD50 Oral	Rat	970 mg/kg	-
	LD50 Oral	Mus	970 mg/kg	
	LD50 Intraperitoneal	Rat	74 mg/kg	
4,4'-isopropylidenediphenol	LD50 Oral	Mus	2,400 mg/kg	-
	LD50 Oral	Rat	3,250 mg/kg	
3,6-diazaoctanethylenediamine	LD50 Intravenous	Mus	350 mg/kg	-
	LD50 Oral	Mus	1,600 mg/kg	
	LD50 Oral	Rat	2,500 mg/kg	
Phenol	LD50 Oral	Mus	270 mg/kg	-
	LD50 Oral	Rat	317 mg/kg	
	LD50 Subcutaneous	Rat	460 mg/kg	

12. Ecological Information

Ingredient	Species	Test	Value
Formaldehyde polymer with phenol and teta	Fish	96hrs LC50	8.8 mg/L

Ecotoxicity Effects:

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No Bioaccumulation potential.

Mobility in soil: No data available

Results of PBT and vPvB assessment: This product is not identified as a PBT/vPvB substance.

Other adverse effects: Negligible ecotoxicity.

13. Disposal Considerations

Waste treatment methods: Transfer to a suitable container and arrange for collection by specialized disposal company. Mixed material, once fully cured, can be disposed as solid waste. The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Uncleaned packaging: Dispose in a regulated landfill site or other method for hazardous or toxic wastes.

14. Transport Information

UN-Number: UN1759

Proper Shipping Name: Corrosive solid, n.o.s.

Hazard Class: 8

Packing Group: III

Environmental hazard: No

Marine Pollutant: No

Special Precaution for user: No special precautions

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Tunnel code: E
Transport Category: 3

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture: No information available.
Chemical Safety Assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. Other Information

This Safety Data Sheet in accordance with Regulation No. 2015/830.

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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