

Safety Data Sheet
Syntho-Aqua

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Syntho-Aqua
Description: A two component epoxy repair paste

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Putty solution
Uses advised against: No information available

1.3. Details of the supplier of the safety data sheet

Supplier: NRI
3875 Fiscal Court Suite #100
Riviera Beach, FL 33404. USA.
1- 561 - 683 - 6992
E-mail address: Europe@neptuneresearch.com

1.4. Emergency telephone number: USA 800-535-5053 (only available during office hours)
Europe +48 33 488 12 85 (only available during office hours)

Section 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Skin corrosion/irritation – Category 2
Skin sensitization – Category 1
Eye damage/eye irritation – Category 2A
Aquatic chronic – Category 3

2.2 Label elements:



Signal word: Warning

Hazard statements:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

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Precautionary Statement:

- P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352: IF ON SKIN: Wash with plenty of water.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P501: Dispose of contents/container to comply with Local, National and International regulations.

Special Provisions:

EUH205 Contains epoxy constituents. May produce an allergic reaction

2.3. Other information: This product is not identified as a PBT/vPvB substance

Section 3. Composition/ Information on Ingredients

3.1. Substances: Not Applicable

3.2. Mixtures

Component	EC No	CAS #	Weight %	EU-GHS Substance Classification (CLP)	REACH Number
Poly[oxy(methyl-1,2-ethanediyl)]	615-735-8	72244-98-5	10 – 30	Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)	01-2120118957-46
Talc	238-877-9	14807-96-6	10 – 30	Not classified	01-2120140278-58
Glass, oxide chemicals	266-046-0	65997-17-3	10 – 30	Not classified	01-2119990048-30
Bisphenol a- (epichlorhydrin) {reaction product}	500-033-5	25068-38-6	1 – 10	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	01-2119456619-26
Titanium dioxide	236-675-5	13463-67-7	1 – 10	Not classified	01-2119489379-17
3,6-diazaoctanethylene diamine	203-950-6	112-24-3	<1	Acute Tox. 4 (H312) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Chronic 3: H412	01-2119487919-13
Phenol	203-632-7	108-95-2	<1	Muta. 2 (H341) Acute Tox. 3 (H331) Acute Tox. 3 (H311) Acute Tox. 3 (H301) STOT RE 2 (H373) Skin Corr. 1B (H314)	01-2119471329-32

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Section 4. First Aid Measures

4.1. Description of first-aid measures

First aid measures for accidental

Eye Contact: Check and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, lifting upper and lower eyelids; get medical attention if irritation persists

Skin Contact: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. If irritation persists, get medical attention. If glass fiber becomes embedded, get medical attention.

Ingestion: Wash out mouth with water. Consult a doctor

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2 Most important symptoms /effects, acute and delayed:

Eye contact: There may be irritation and redness. The eyes may water profusely.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Skin contact: There may be irritation and redness at the site of contact.

Ingestion: There may be soreness and redness of the mouth and throat.

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

4.3 Indication of immediate medical attention and special treatment needed: Eye bathing equipment should be available on the premises.

Section 5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Unsuitable extinguishing media: No data available.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products: In combustion emits toxic fumes.

5.3 Advice for firefighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Avoid breathing vapor, aerosol or mist. Avoid contact with skin, eyes and clothing.

6.1.2 For emergency responders: Use appropriate personal protective clothing if needed.

6.2 Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and materials for containment and cleaning up

6.3.1 For containment: Spills are very unlikely because the wiper fabric has absorbed the liquid solvent solution

6.3.2 For cleaning up: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.3.3 Other Information: Clear spills immediately.

6.4 Reference to other sections: See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Section 7. Handling and Storage

7.1 Precautions for safe handling: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2 Conditions for safe storage including any incompatibilities: Store in a cool, dry, well-ventilated area. Must only be kept in original packaging.

7.3 Specific end use(s)

Exposure scenario: No information available.

Other guidelines: No information available

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters:

Exposure limits: No data available

8.2 Exposure controls

8.2.1 Appropriate engineering controls: Ensure there is sufficient ventilation of the area.

8.2.2 Personal protective equipment

8.2.2.1 Eye and face protection: Safety glasses. Ensure eye bath is to hand.

8.2.2.2 Skin protection: Protective clothing. Protective gloves.

8.2.2.3 Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

8.3 Environmental exposure controls: Do not allow material to contaminate ground water system.

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State:

Solid

Appearance:

Green

Odour:

Barely perceptible odour

Odour threshold:

No data available

Property

Values

Remarks-Method

pH:

No applicable

None known

Melting point range:

No data available

None known

Boiling point/boiling range:

>35 °C

None known

Flash Point:

>93 °C

None known

Evaporation rate:

No data available

None known

Flammability (solid, gas):

No data available

None known

Upper/lower flammability or explosive limits:

No data available

None known

Vapour pressure:

No data available

None known

Vapour density:

No data available

None known

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Relative density:	No data available	None known
Specific gravity:	No data available	None known
Solubilities:	Insoluble in water	None known
Partition coefficient (n-octanol/water):	No data available	None known
Decomposition temperature:	No data available	None known
Autoignition temperature:	No data available	None known
Viscosity:	No data available	None known
Explosive properties:	No data available	None known
Oxidizing properties:	No data available	None known

9.2 Other information: No data available

Section 10. Stability and Reactivity

10.1 Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability: Stable under normal conditions.

10.3 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.

10.4 Conditions to avoid: Keep away from heat.

10.5 Incompatible materials: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products: In combustion emits toxic fumes.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Numerical measures of toxicity:

Ingredient	Oral LD50	Dermal LD50	IVN/SCU LD50
Bisphenol a-(epichlorhydrin) {reaction product}	15,600 mg/kg (mouse) 11,400 mg/kg (rat)	>20 ml/kg -skin (rabbit)	-
3,6-diazaoctanethylenediamine	1,600 mg/kg (mouse) 2,500 mg/kg (rat)	-	350 mg/kg – intravenous (mouse)
Phenol	270 mg/kg (mouse) 317 mg/kg (rat)	-	460 mg/kg - subcutaneo (rat)

Symptoms / route of exposure:

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Chronic Health Effects: No data available

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Mutagenicity (Effects on genetic material): No data available

Reproductive toxicity: No data available

Tetratogenicity: No data available

Carcinogenic Categories: No data available

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

Section 12. Ecological Information

12.1 Toxicity:

Species	Test	Value	Units
Daphnia magna	48H EC50	1.8	mg/l
Rainbow Trout (Oncorhynchus mykiss)	96H LC50	2	mg/l
Algae	72H ErC50	11	mg/l

For Titanium dioxide:

Species	Test	Value	Units
Fish	96 hrs LC50	1,000,000	µg/l

12.2 Persistence and degradability: Biodegradable.

12.3 Bioaccumulative potential: No bioaccumulation potential.

12.4 Mobility in soil: Insoluble in water. Floats on water.

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

12.6 Other adverse effects: Negligible ecotoxicity.

Section 13. Disposal Considerations

13.1 Waste treatment methods:

13.1.1 Product / Packaging disposal: Transfer to a suitable container and arrange for collection by specialized disposal company.

13.1.2 Waste treatment-relevant information: Waste code number: 08 04 09

13.1.3 Sewage disposal-relevant information: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes

13.1.4 Other disposal recommendations: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14. Transport Information

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This product does not require a classification for transport

14.1 Proper Shipping Name: No regulated

14.2 UN Proper Shipping Name: N/A

14.3 Transport hazard class: N/A

14.4 Packing group: N/A

Section 15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
No data available

15.2 Chemical Safety Assessment: No chemical safety assessment has been carried out for this substance/mixture by the supplier.

Section 16. 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

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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