

Safety Data Sheet
Syntho Shore Primer Part A

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

1.1. Product identifier

Product name: Syntho Shore Primer Part A

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

Recommended use: Intended to concrete application. Epoxy resin

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: No information available.

1.4. Emergency telephone number

Emergency telephone number: 1 800-535-5053

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 1B

Serious eye damage/eye irritation – Category 2B

Acute toxicity / Oral – Category 5

Acute toxicity / Inhalation – Category 5

Hazardous to the aquatic environment – Short Term (Acute) Hazard – Category 2

2.2 Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H320 Causes eye irritation

H303 May be harmful if swallowed

H333 May be harmful if inhaled.

H401 Toxic to aquatic life

Precautionary statement:

P264 Wash thoroughly after handling

Safety Data Sheet Syntho Shore Primer Part A

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P302+P352 IF ON SKIN: Wash with plenty water.

P333+P313 If skin irritation or rash occurs: Get medical advice

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing

2.3. Other information: N/A

Section 3. Composition/ Information on Ingredients

3.1. Substances: Not Applicable

3.2. Mixtures

| Component | EC No | CAS # | Weight % | EU-GHS Substance Classification | REACH Number |
|---|-------|------------|-----------|--|--------------------|
| Phenol-formaldehyde polymer, glycidyl ether | - | 28064-14-4 | 40 – 60 | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411) | Not data available |
| Natural wollastonite | - | 13983-17-0 | 20 – 35 | Eye Irrit. 2 (H319) | Not data available |
| Glycidoxypropyltrimethoxysilane | - | 2530-83-8 | 0.5 – 2.3 | Eye Irrit. 1 (H318) | Not data available |

Note: The rest of the ingredients are not shown to protect confidentiality of the product. They are not a hazardous substance or mixture according to US' GHS Regulation

Section 4. First Aid Measures

4.1. Description of 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.

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.

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.

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.

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

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

4.2 Most important symptoms/effects, acute and delayed: Itching. Rashes. Eye irritation/reactions. Skin irritation.

Safety Data Sheet
Syntho Shore Primer Part A

4.3 Indication of immediate medical attention and special treatment needed: May cause sensitization of susceptible persons. Treat symptomatically.

Section 5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide, foam, dry chemical, water fog.

Unsuitable extinguishing media: Do not use high volume water jet on the fire as this may spread the area of the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Combustion products may include, but are not limited to: phenols, carbon monoxide, carbon dioxide.

5.3 Advice for firefighters: Use personal protective equipment. Wear self contained breathing apparatus for firefighting if necessary with a full face-piece operated in positive pressure mode to protect against potential harmful and/or irritating fumes. Use water to keep fire exposed containers cool.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment: Use personal protective equipment (See Section 8) to prevent any contamination of skin, eyes and personal clothing.

Emergency procedures: Remove ignition sources. Provide sufficient ventilation, control dust. Evacuate personnel to safe areas.

6.1.2 For emergency responders: Use appropriate personal protective clothing. Use gloves and safety glasses.

6.2 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.

6.3. Methods and materials for containment and cleaning up

6.3.1 For containment: Cover drains. Prevent contamination of soil and water.

6.3.2 For cleaning up: Stop leak without additional risk. Dike and absorb with inert absorbent material (e.g., sand) and collect in a suitable, closed and labeled container. Wash the spill area with water and detergent.

6.3.3 Other Information: Clear spills immediately.

6.4 Reference to other sections: See Section 13 for additional information. Dispose of in accordance with applicable local and federal environmental control regulations. Section 8 for Personal protective equipment.

Safety Data Sheet Syntho Shore Primer Part A

Section 7. Handling and Storage

7.1 Precautions for safe handling

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.

7.2 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.

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:

| Component | Exposure Limits | | |
|----------------------|--|-------|--|
| | ACGIH-TLV | NIOSH | OSHA-PELs |
| Natural wollastonite | 10 mg/m ³ (TWA) (inhalable) 3 mg/m ³ (Respirable) | - | 15 mg/m ³ (inhalable) 5 mg/m ³ (Respirable) |

Derived no effect level: No information available.

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

8.2 Exposure controls

8.2.1 Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas.

8.2.2 Personal protective equipment

8.2.2.1 Eye and face protection: Safety glasses with side-shields. Risk of contact: Tightly fitting safety goggles.

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

8.2.2.3 Respiratory protection: In case of inadequate ventilation wear respiratory protection. Use respirators when exposure to vapors from heated material.

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: Paste
Appearance: Blue
Odour: Mild
Odour threshold: No data available

| <u>Property</u> | <u>Values</u> | <u>Remarks-Method</u> |
|-----------------|---------------|-----------------------|
|-----------------|---------------|-----------------------|

Safety Data Sheet Syntho Shore Primer Part A

| | | |
|---|----------------------|--------------------|
| pH: | No data available | None known |
| Melting point range: | No data available | None known |
| Boiling point/boiling range: | No data available | None known |
| Flash Point: | 218 °C | No Data Available |
| 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 |
| Relative density: | 1.7 at 75 °F | Density Cup Method |
| Solubilities: | No data available | None known |
| Partition coefficient (n-octanol/water): | No data available | None known |
| Auto-ignition temperature: | No data available | None known |
| Decomposition temperature: | No data available | None known |
| Viscosity: | 235,000 cPs at 75 °F | Rheometer Method |
| Explosive properties: | No data available | None known |
| Oxidizing properties: | No data available | None known |
| <u>9.2 Other information</u> | | |
| VOC Content (%): | No data available | None known |

Section 10. Stability and Reactivity

10.1 Reactivity: Stable

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions: None under normal processing. Hazardous polymerization will not occur by itself.

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

10.5 Incompatible materials: Keep uncured material away from strong acids, strong bases, oxidizing agents. Reacts with amines.

10.6 Hazardous decomposition products: Uncontrolled exothermic reaction of epoxy resin releases carbon monoxide, carbon dioxide, phenols.

Section 11. Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity:

Inhalation: May cause irritation of the respiratory tract and mucous membrane.

Ingestion: May cause irritation

Skin contact: Irritating to skin. May cause sensitization.

Eye contact: Irritating to eyes.

Target organs: Contains material which may cause damage to the following organs: kidneys, liver.

Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Reproductive Toxicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Specific Target Organ Toxicity - single exposure (STOT-se): No data available

Specific Target Organ Toxicity - repeated exposure (STOT-re): No data available

Safety Data Sheet Syntho Shore Primer Part A

Symptoms related to the physical, chemical and toxicological characteristics: Contains material that may cause target organ damage, based on animal data. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure: No specific data.

Long term exposure: No specific data

Numerical measures of toxicity:

Acute toxicity:

| Product | Endpoint | Species | Results | Exposure |
|---|-------------|---------|-------------|----------|
| Phenol-formaldehyde polymer, glycidyl ether | LD50 Oral | Rat | >2000 mg/kg | - |
| | LD50 Dermal | Rabbit | >2000 mg/kg | |

Section 12. Ecological Information

12.1 Toxicity: Toxic to aquatic organisms.

Data for components:

| Product | Endpoint | Species | Results |
|---|-------------|----------------|----------|
| Phenol-formaldehyde polymer, glycidyl ether | Acute EC50 | Daphnia magna | 3.5 mg/L |
| | Acute LC50 | Leuciscus idus | 5.7 mg/L |
| Final Product | Acute EC 50 | Crustacea | 4.5 mg/L |
| | Acute LC50 | Fish | 7.6 mg/L |

12.2 Persistence and degradability: No information available.

12.3 Bioaccumulative potential: No information available.

12.4 Mobility in soil: No information available.

12.5 Results of PBT and vPvB Assessment: No information available.

12.6 Other adverse effects: No information available.

12.7 Additional information: No information available.

Section 13. Disposal Considerations

13.1 Waste treatment methods:

13.1.1 Product / Packaging disposal: Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste codes / waste designation according to LoW: 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.

13.1.2 Waste treatment-relevant information: Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

13.1.3 Sewage disposal-relevant information: This product should not be allowed to enter drains, water courses or the soil.

13.1.4 Other disposal recommendations: Dispose of waste and residues in accordance with local authority requirements.

Section 14. Transport Information

Safety Data Sheet
Syntho Shore Primer Part A

DOT / IMDG / IATA

| | |
|---|----------------|
| 14.1 Proper Shipping Name: | Not regulated |
| 14.2 UN Proper Shipping Name: | Not applicable |
| 14.3 Transport hazard class: | Not applicable |
| 14.4 Packing group: | Not applicable |
| 14.5 Environmental hazard: | Not applicable |
| 14.6 Special precaution: | Not applicable |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable |

Section 15. Regulatory Information

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

SARA Title III Section 313 (40CFR372): No reportable components

CERCLA Status (40CFR302): No reportable quantity components

OSHA/NTP/IARC Carcinogen status: None ingredient listed.

TSCA Status: All components are listed on TSCA Inventory or otherwise comply with TSCA requirements.

Section 16. Other Information

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

OSHA – Occupational Safety and Health Administration

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.

(R1) Revision date: 03.16.17