

Safety Data Sheet
SYNTHO-SHORE 118C

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

1.1. Product identifier

Product name: SYNTHO-SHORE 118C

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
Eye damage/ irritation – Category 2A
Specific Target Organ Toxicity – Category 3

2.2 Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statement:

P280 Wear protective gloves

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

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

P332+P313 If skin irritation occurs: Get medical advice/attention.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Safety Data Sheet
SYNTHO-SHORE 118C

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
Reaction product of a polyether with hexamethylene diisocyanate (HDI)	-	N/A *	30 – 40	N/A	Not data available
Carbon Fiber	231-153-3	7440-44-0	45 – 70	Eye Irrit. 2 STOT SE 3	Not data available
Toluene -4-sulphonamide	200-741-1	70-55-3	< 0.9	Eye Irrit. 2	Not data available

* Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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:

Eye contact: Temporary irritation (itching) or redness may occur.

Skin contact: Temporary irritation (itching) or redness may occur.

Inhalation: Irritation of the upper respiratory tract (scratchy throat), coughing, and congestion may occur in extreme exposures.

Ingestion: This product is not intended to be ingested (eaten). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

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

Section 5. Fire Fighting Measures

Safety Data Sheet
SYNTHO-SHORE 118C

5.1 Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam (on small fires), carbon dioxide, dry chemical, water spray..

Unsuitable extinguishing media: For unsuitable extinguishing media, use water spray jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon oxides, nitrogen oxides, Other hazardous decomposition products may be formed.

5.3 Advice for firefighters: Burning produces irritant fumes. Exposure to decomposition products may be a hazard to health. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Full protective flameproof clothing.

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: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations. Large spills should be collected mechanically (remove by pumping) for disposal. Dam up.

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.

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

Safety Data Sheet
SYNTHO-SHORE 118C

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure limits:

Component	Exposure Limits		
	ACGIH-TLV	NIOSH	OSHA-PELs
Carbon fiber	TLV-TWA 10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	ND	TWA 15 mg/m ³ (dust) TWA 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:	Solid
Appearance:	Carbon fiber cloth impregnated with yellow viscous resin
Odour:	Slight
Odour threshold:	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks-Method</u>
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:	> 100 °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:	No data available	None known
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 (resin)	Rheometer Method
Explosive properties:	No data available	None known

Safety Data Sheet
SYNTHO-SHORE 118C

Oxidizing properties:	No data available	None known
9.2 Other information		
VOC Content (%):	No data available	None known

Section 10. Stability and Reactivity

- 10.1 Reactivity:** No dangerous reaction known under conditions of normal use
10.2 Chemical stability: Stable under normal conditions.
10.3 Possibility of hazardous reactions: Reactions with strong oxidizers may occur. Hazardous polymerization will not occur.
10.4 Conditions to avoid: Exposure to moisture. Extremes of temperatures and direct sunlight.
10.5 Incompatible materials: Alcohols, strong oxidizers.
10.6 Hazardous decomposition products: Carbon oxides, nitrogen oxides. Other hazardous decomposition products may be formed.

Section 11. Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity:

- Inhalation: No data available
Ingestion: No data available
Skin contact: Irritating to skin.
Eye contact: Irritating to eyes.

Symptoms related to the physical, chemical and toxicological characteristics: No data available

Target organs: No data available

Mutagenicity: No data available

Carcinogenicity: No data available

Reproductive Toxicity: No data available

Teratogenicity: No data available

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

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

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: No specific data

Section 12. Ecological Information

12.1 Toxicity: No information available.

12.2 Persistence and degradability: No information available.

12.3 Bioaccumulative potential: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

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

DOT / IMDG / IATA/ADR

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

Candidate List of Substances of Very High Concern for Authorization: This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard: 96/82/EC Update: 2003

Legislation: Directive 96/82/EC does not apply

Notification status:

US.TSCA: On TSCA Inventory

DSL: This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.

AICS: Not in compliance with the inventory

NZIoC: Not in compliance with the inventory

ENCS: On the inventory, or in compliance with the inventory

KECI: Not in compliance with the inventory

PICCS: Not in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

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.

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