SAFETY DATA SHEET

SYNTHO-SHORE PREPREG

Section 1. Product and Company Identification

Product Name: Syntho-Shore Prepreg
Supplier: GeoTree Solutions | 1733 Majestic Dr, Suite 101 Lafayette, CO 80026 | 1.855.655.6750
Emergency Phone Number: 800.424.9300 (CHEMTREC)
+1 703.741.5970 (Outside the US)
Product Description: Intended for concrete repairs and restoration
Product Use: Repairs
Chemical Name or Synonym: N/A

Section 2. Hazards Identification

Classification of the substance or mixture
Skin corrosion/irritation – Category 2
Eye damage/eye irritation – Category 2A
Specific Target Organ Toxicity – Category 3

Label Elements:

Hazard Statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation
Signal Word: Warning
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 t fresh air and keep comfortable for breathing.

Section 3. Composition/ Information on Ingredients

Component	CAS#	Weight %
Reaction product of a polyether with hexamethylene diisocyanate (HDI)	N/A	Proprietary
Carbon Fiber	7440-44-0	45 – 60
4-Methylbenzenesulfonyl isocyanate	4083-64-1	< 2.4

Section 4. First Aid Measures

First Aid Measures for Accidental:
Inhalation: If inhaled remove to fresh air.
Ingestion: If swallowed do not induce vomiting. Rinse mouth with water. Obtain medical attention.
Eye contact: In case of contact, rinse thoroughly with plenty of water, also under the eyelids for at least 15 minutes. Get medical attention immediately if irritation develops and persists.
Skin contact: Remove contaminated clothing and shoes. Wash affected skin with soap and plenty of warm water. Do not reuse contaminated clothing until cleaned.
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.
Indication of immediate medical attention and special treatment needed: No information available.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: For suitable extinguishing media, use Alcohol-resistant foam (on small fires), carbon dioxide, dry chemical, water spray.
Unsuitable Extinguishing Media: For unsuitable extinguishing media, use water spray jet
Special Fire Fighting Procedures:
Special Protective Equipment and Precautions for Fire-fighters: Burning produces irritant fumes. Exposure to decomposition products may be a hazard to health. Fire-fighters 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.
Specific Hazards Arising from the Chemical (Under Fire Conditions): Carbon oxides, nitrogen oxides, Other hazardous decomposition products may be formed.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Do not touch or walk through spilled material. Provide adequate ventilation. Wear respirator and personal protective equipment as appropriate to prevent skin and eye contact. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
Environmental Precautions: Material should not be released into the environment. Prevent product from entering drains.
Methods and Materials for Containment and 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 (see section 13). Large spills should be collected mechanically (remove by pumping) for disposal. Dam up.

Section 7. Handling and Storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Handle in accordance with good industrial hygiene and safety practice. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Purge containers with dry nitrogen before resealing. Do not use spot heating devices such as band heaters or torches. Make sure contents are completely liquid and uniform before using.
Conditions for safe storage including any incompatibilities: Keep in a dry and cool place away from incompatible materials (see Section 10). Avoid contact with moisture and prolonged exposure to temperatures above 140°F (60°C). Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers.

Section 8. Exposure Controls / Personal Protection

Control Parameters (Exposure Limits):

Component	Exposure limits		
	ACGIH	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)

Appropriate Engineering Control: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Personal Protective Equipment:
Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Eye / Face Protection: Wear appropriate safety glasses with side shields.
Skin Protection: Permeation resistant impervious gloves. Cover as much of the exposed area as possible with protective 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.

Section 9. Physical and Chemical Properties

Physical State:	Solid
Colour:	Carbon fiber cloth impregnated with yellow viscous resin
Odor:	Slight
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:	>100 ° C
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	No data available
Kinematic Viscosity:	235,000 cPs
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
Vapour Pressure:	No data available
Density and/or Relative Density:	No data available
Relative Vapour Density:	No data available
Specific Gravity:	No data available
Particle Characteristics:	No data available

Section 10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous reactions: Reactions with strong oxydizers may occur. Hazardous polymerization will not occur.
Conditions to Avoid: Exposure to moisture. Extremes of temperatures and direct sunlight.
Incompatible Materials / Chemicals: Alcohols, strong oxidizers.
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides. Other hazardous decomposition products may be formed.

Section 11. Toxicological Information

Information in the likely route of exposure:

Potential Acute Health Effects:

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:
Target organs: No data available
Mutagenicity: No data available
Carcinogenicity: No data available
Reproductive Toxicity: No data available
Tetratogenicity: 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
Over-exposure signs / symptoms: No data available

Delayed and immediate effects and also chronic effects from short and long term exposure:
Short term exposure: No data available.
Long term exposure: No data available

Numerical measures of toxicity: No data available

Section 12. Ecological Information

Ecotoxicity: No determined
Persistence and degradability: No determined
Bioaccumulative potential: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
Mobility in soil: No determined
Other adverse effects: No determined

Section 13. Disposal Considerations

Waste treatment methods: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Should not be released into the environment. Prevent product from entering drains. Dispose of as solid waste in accordance with local, state, and federal regulations.
Uncleaned packaging: Do not re-use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur. Dispose of container and unused contents in accordance with federal, state, and local regulations.

Section 14. Transport Information

ADR: Not dangerous goods
IATA: Not dangerous goods
IMDG: Not dangerous goods
RID: Not dangerous goods

Section 15. Regulatory Information

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
NIOSH – National Institute for Occupational Safety and Health

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