

MATERIAL SAFETY DATA SHEET

V-Wrap Carbon FRP Rod

High Strength Carbon Fiber



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1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

MATERIAL IDENTITY:

Carbon Fiber Rebar, CFRP Rebar

INFORMATION TELEPHONE:

410-850-7000

COMPANY:

VStructural LLC
7455 T New Ridge Road
Hanover, MD 21076

EMERGENCY TELEPHONE:

CHEMTREC: 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	% Range	OSHA PEL
Vinylester Based Resin	NA	27%	NA
Carbon Fibers	NA	73%	NA

3. FIRST AID MEASURES

EYE

Flush eyes with water and seek immediate medical attention.

SKIN

Wash effected area with soap and water. Wash contaminated clothing before reuse. Long pants and good personal hygiene will maximize comfort.

INHALATION

Move victim to fresh air. If breathing has stopped, administer CPR. Call a physician.

INGESTION

Call a physician or poison control center immediately. If professional advice is not available DO NOT induce vomiting or give anything by mouth to an unconscious person.

ADVISE TO PHYSICIANS

Treat symptomatically and supportively.

4. FIRE FIGHTING MEASURES

Flash Point (Method Used)	NA	Flammable Limits	NA
		UEL	NA

Extinguishing Media:

Carbon Dioxide Dry Chemical (small fires)

Foam and Water Fog (large fires)

Special Fire Fighting Procedures:

Burning rod will create an acrid heavy black smoke and odor that is extremely offensive.

Fire fighters must wear self contained breathing apparatus (SCBA).

Others must seek fresh air immediately.

5. ACCIDENTAL RELEASE MEASURES

MEASURES FOR HANDLING PERSONNEL

No special measures required.

MEASURES FOR ENVIRONMENTAL EFFECTS

No special measures required.

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MEASURES WHEN HANDLING SPILLED SUBSTANCE

Not applicable.

6. HANDLING AND STORAGE

HANDLING

SKIN: Wear gloves when possible to protect hands from rough, unfinished surfaces. Long sleeve, buttoned shirts and trousers which cover ankles will protect exposed skin areas during cutting or machining of product.

EYES: Safety glasses with side panel protectors may be appropriate when handling products in a way that creates airborne particles.

INHALATIONS: Use ordinary dust mask protection for the nose and mouth to prevent inhalation exposure during cutting or machining of product.

STORAGE

No special storage considerations needed.

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

No data are available for the product

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: None normally required. If airborne dust concentrations exceed permissible exposure levels, use protection for nuisance dust.

Ventilation: Use local exhaust if necessary to prevent nuisance dust.

Eye and Face Protection: Wear safety glasses with side shields.

Skin Protection/Protective Gloves: Wear protective gloves to reduce irritation from dust or slivers.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Black
Solubility in Water	Insoluble
Specific Gravity (H ₂ O = 1)	2.0
Evaporation Rate (Butyl Acetate = 1)	N/A
Boiling Point	N/A
Vapor Density (AIR = 1)	N/A
Chemical Formula:	N/A
Vapor Pressure (mm Hg.)	N/A
Melting Point	800°C 1472°F

9. STABILITY AND REACTIVITY

Conditions to Avoid:	Exposure to Open Flames.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, organic acids lmw hydrocarbons
Stability	Stable
Hazardous Polymerization	Will not occur.
Incompatibility (<i>Materials to Avoid</i>)	None known.

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10. DISPOSAL CONSIDERATION

Dispose of as solid waste in accordance with local, state and federal regulations. Not considered a hazardous waste under federal RCRA regulations.

11. TRANSPORTATION INFORMATION

N/A

N/A = Not Applicable
Established

N/D = Not Determined

N/E = Not