

SAFETY DATA SHEET

SDS IDENTIFICATION NAME: V-Wrap Glass FRP Rod

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SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER:
STRUCTURAL TECHNOLOGIES, LLC
10150 Old Columbia Road
Columbia, MD 21046

EMERGENCY TELEPHONE NUMBER:
800-424-9300
INFORMATION TELEPHONE NUMBER:
410-859-6539

CHEMICAL FAMILY: Carbon Fiber

SECTION II: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW: No unusual conditions are expected from this product.

APPEARANCE AND ODOR: Resin-coated black carbon fibers woven into fabric of varying weight and thickness, depending on the style, with no distinctive odor.

STATEMENTS OF HAZARD:

CARBON MATERIAL IS ELECTRICALLY CONDUCTIVE. ELECTRICAL SYSTEMS SHOULD BE PROTECTED FROM EXPOSURE TO AIRBORNE FIBER.

DUST PARTICLES ASSOCIATED WITH THIS PRODUCT MAY CAUSE IRRITATION OF THE SKIN, EYES, OR UPPER RESPIRATORY TRACT.

PRIMARY ROUTES OF EXPOSURE:

EYES--YES SKIN CONTACT--YES INHALATION--NO INGESTION--NO

HMIS RATING:

CARBON:	HEALTH--1	FLAMMABILITY--0	REACTIVITY--0	SPECIAL--NONE
GLASS:	HEALTH--2	FLAMMABILITY--1	REACTIVITY--0	SPECIAL--NONE
SIZING:	HEALTH--1	FLAMMABILITY--1	REACTIVITY--0	SPECIAL--NONE

POTENTIAL HEALTH EFFECTS:

EYES: Low hazard. May cause temporary irritation.

SKIN: Low hazard for usual industrial or commercial production. No effects expected under normal use.

INHALATION: In some cases – see Section VII. No effects expected under normal use.

INGESTION: Ingestion unlikely under normal use. May cause gastrointestinal irritation.

SIGNS AND SYMPTOMS OF EXPOSURE: Possible Rash.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

MATERIAL OR COMPONENT	CAS NUMBER	% BY WEIGHT	OSHA(PEL)	ACGIH(TLV)
VINYLESTER BASED RESIN	NA	27	Not Determined	Not Determined
FIBEROUS GLASS	NA	73	Not Determined	Not Determined

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: To relieve skin irritation, wash with soap and water. Avoid rubbing or scratching.

EYE CONTACT: Flush eyes with water. Avoid rubbing or scratching. Seek immediate medical attention.

INHALATION: Remove to fresh air. Treat any irritation symptomatically, contact a physician.

INGESTION: Ingestion very unlikely. 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.

SECTION V: FIRE FIGHTING MEASURES

FLASH POINT/METHOD OF DETERMINATION: N/A. Not Flammable

FLAMMABILITY LIMITS: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Normal firefighting procedures. Carbon dioxide, dry chemical, water spray.

SPECIAL FIREFIGHTING 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.

USUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION VI: ACCIDENTAL RELEASE MEASURES

PROCEDURES IN CASE OF ACCIDENTAL RELEASE OR LEAKAGE: N/A.

SPILL/RELEASE AND CLEANUP PROCEDURES: In case of spill, collect (e.g., sweep up, vacuum, etc.) spilled material and either reuse or dispose of properly. Chopped or milled fibers may be slippery if spilled posing an accident risk. Wear personal protective equipment as described in Section 8 during cleanup activities.

SECTION VII: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place.

OTHER PRECAUTIONS: N/A

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Wear safety goggles or glasses when handling or processing this product in any form.

PROTECTIVE GLOVES: Latex gloves should be worn when handling this product. Rinse and remove gloves after use, and wash hand thoroughly with soap and water. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

PROTECTIVE CLOTHING: Wear protective clothing to minimize the potential for skin contact. An emergency shower should be readily accessible. Discard any clothing that has become contaminated.

SKIN PROTECTION: Recommended disposable protective garments to eliminate possible skin irritation. Clothing should protect the base of the neck, legs and arms. Protective gloves (rubber).

RESPIRATORY PROTECTION: Normal use and processing of this product are not expected to generate fiber dust. If airborne dust concentrations exceed permissible exposure levels, use protection for nuisance dust.

VENTILATION: Adequate ventilation should be provided at points where product is handled.

GENERAL HYGIENE RECOMMENDATIONS: Before eating, drinking, smoking or using toilet facilities, wash face and hands thoroughly with soap and water.

SECTION IX: PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Grey, odorless
BOILING POINT (° F/° C):	N/A
MELTING POINT (° F/° C):	800°C / 1472°F
SPECIFIC GRAVITY (WATER=1):	2.0
VAPOR PRESSURE (MM Hg.):	N/A
VAPOR DENSITY (AIR-1):	N/A
EVAPORATION RATE (Butyl Acetate = 1):	N/A
SOLUBILITY IN WATER:	Insoluble

SECTION X: STABILITY AND REACTIVITY

STABILITY: Stable under normal handling and storage conditions.

INCOMPATIBLE MATERIALS: Do not expose to strong oxidizing agents such as fluorine. Carbon fiber can react violently with such compounds. Exposure to electrical equipment and circuitry. Avoid contact with strong oxidizing agents.

PRODUCTS EVOLVED FROM HEAT OF COMBUSTION OR DECOMPOSITION: Carbon monoxide, carbon dioxide, organic acids

HAZARDOUS POYMERIZATIONS: Will not occur under normal conditions of use.

SECTION XI: TOXICOLOGICAL INFORMATION

MATERIAL OR COMPONENT TOXICITY DATA: N/A

SECTION XII: ECOLOGICAL INFORMATION

No ecological data has been determined.

SECTION XIII: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Industrially approved landfill. It is the responsibility of the generator to comply with all federal, state, provincial and local laws and regulations. We recommend that you contact an appropriate waste disposal contractor and environmental agency for relevant laws and regulations. Under the US, Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification and to assure proper disposal.

SECTION XIV: TRANSPORTATION INFORMATION**DOT AND IATA:**

PROPER SHIPPING NAME	Not Applicable
HAZARD CLASS	Not Applicable
UN/NA	Not Applicable
DOT HAZARDOUS SUBSTANCE	Not Applicable
LABEL REQUIRED	Not Applicable

SECTION XV: REGULATORY INFORMATION

No data available.

SECTION XVI: OTHER INFORMATION

EXPLANATION AND DISCLAIMER: Wherever such words or phrases as "hazardous," "toxic," "carcinogen," etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws or the or the direct sources for these laws such as the International Agency for Research on Cancer (ISRC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful. ANY EXPOSURE CAN ONLY BE UNDERSTOOD WITHIN THE ENTIRE CONTEXT OF ITS OCCURRENCE, WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE'S CHARACTERISTICS AS DEFINED IN THE MSDS, AMOUNT AND DURATION OF EXPOSURES, OTHER CHEMICALS PRESENT AND PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE.

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