

SAFETY DATA SHEET

SDS IDENTIFICATION NAME: V-Wrap Glass Fiber Fabric

DATE: 06/29/2016

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Product Group: V-Wrap EG50 & V-Wrap EG50B

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:

410-850-7000

CHEMICAL FAMILY: Woven Fiberglass Fabric E-Glass

SECTION II: HAZARD(S) IDENTIFICATION

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

APPEARANCE AND ODOR: White fibers woven into fabric of varying weight and thickness, depending on the style, with no distinctive odor.

STATEMENTS OF HAZARD:

CAUTION! MAY CAUSE TEMPORARY MECHANICAL IRRITATION OF THE SKIN OR UPPER RESPIRATORY TRACT.

PRIMARY ROUTES OF EXPOSURE:

EYES--YES

SKIN CONTACT--YES

INHALATION--YES

INGESTION--NO

HMIS RATING:

HEALTH--2

FLAMMABILITY--1

REACTIVITY--0

SPECIAL--NONE

POTENTIAL HEALTH EFFECTS:

EYES: May cause slight irritation to the eyes.

SKIN: Causes moderated skin irritation and sensitization. Contact with product at elevated temperature could cause thermal burns.

INHALATION: Under normal conditions of use, glass fiber products may release dust or non-respirable fibers. Avoid breathing and use respiratory protection.

INGESTION: Material has a low order of acute oral toxicity, ingestion unlikely.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Preexisting conditions such as asthma, allergies, eczema and other lung and skin disorders may be aggravated by exposure to the product.

OTHER: The components present in this material at concentrations equal to or greater than 0.1 % are not listed or regulated by IARC, NTP, OSHA or ACGIH as a carcinogen, but glass filament is listed by IARC as Group 3 (not classifiable as to human carcinogenicity).

SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL OR COMPONENT	CAS NUMBER	% BY WEIGHT	OSHA(PEL)	ACGIH(TLV)
Fiberglass, continuous filament	65997-17-3	>98	Inert or Nuisance Dust: 15 mg/m ³ (Total) 5 mg/m ³ (Respirable)	Fiber: 1 fiber/cc for respirable fibers* Dust: 5 mg/m ³ (Inhalable Fraction)

*Fibers longer than 5 μ m; diameter less than 3 μ m; aspect ratio greater than 5:1 as determined by membrane filter method at 400-450X magnification (4-mm objective)

SECTION IV: FIRST AID MEASURES

EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical advice/attention

SKIN CONTACT: Wash off immediately with soap and cold water. DO NOT use warm water because this will open up the pores of the skin, which will cause further penetration of the fibers. DO NOT rub or scratch affected areas. Remove contaminated clothing. If skin irritation persists, call a physician

INHALATION: If inhaled, remove to fresh air. If symptoms persist, call a physician.

INGESTION: Accidental ingestion of this material is unlikely. Rinse mouth with water and drink water to remove fibers from the throat. If symptoms persist, call a physician.

SECTION V: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Continuous Filament Glass Fiber products are not flammable, are incombustible and do not support combustion. Only the organic fraction is combustible and could release small quantities of hazardous substances in case of major and prolonged heat or fire.

MEANS OF EXTINCTION: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment, e.g. water spray or fog, dry chemical, foam, carbon dioxide (CO₂).

PROTECTIVE EQUIP AND PRECAUTIONS FOR FIREFIGHTERS: As in any fire, if necessary, wear self-contained breathing apparatus and full protective gear.

SECTION VI: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with the skin and the eyes. Avoid dust formation. Wear appropriate personal protective equipment in case of direct contact with the product (see Section VIII).

METHODS FOR CLEANING UP: Avoid dry sweeping. Shovel the major part of spilled material into a container. Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and residual spilled material. After vacuum cleaning, flush away with water.

SECTION VII: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place. Maintain seal against contamination from dirt and moisture.

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION: Wear protective clothing such as a loose fitting long sleeved shirt that covers the base of the neck, long pants, and gloves.

RESPIRATORY PROTECTION: Ordinarily not required. If sufficient dust or fibers is generated during use of the product, use a dust respirator approved by NIOSH, as appropriate.

VENTILATION: Use local exhaust sufficient to control fibers of dust generated. If exhaust ventilation is not available or is inadequate use a dust respirator approved by NIOSH, as appropriate.

GENERAL HYGIENE RECOMMENDATIONS: Before eating, drinking, smoking or using toilet facilities, wash face and hands thoroughly with soap and water. Remove any contaminated clothing and laundry before reuse. Use vacuum equipment to remove fibers and dust from clothing and work areas. Compressed air is not recommended.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR	White colored fabric. No distinct odor.
MELTING POINT (° F/° C)	> 800°C.
DENSITY	Molten glass:2,6 (Water=1)
VOLATILE (PERCENT (%) BY WEIGHT)	0
SOLUBILITY IN WATER	Insoluble in water

SECTION X: STABILITY AND REACTIVITY

REACTIVITY & STABILITY: Stable under normal handling and storage conditions.

INCOMPATIBLE MATERIALS: None

HAZARDOUS REACTION: Hazardous reactions do not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: None in normal use conditions. Hazardous decomposition products may be released in case of heat exposure or during a fire.

SECTION XI: TOXICOLOGICAL INFORMATION

Continuous filament glass fibers are not respirable according to the World Health Organization (WHO) definition.

Respirable fibers have a diameter (d) smaller than 3µm, a length (l) larger than 5µm and a l/d-ratio larger than or equal to 3. Fibers with diameters greater than 3 microns, which is the case for continuous filament glass fiber, do not reach the lower respiratory tract and, therefore have no possibility of causing serious pulmonary disease.

Continuous filament glass fibers do not possess cleavage planes which would allow them to split length-wise into fibers with smaller diameters; rather they break across the fiber, resulting in fibers which are of the same diameter as the original fiber

SECTION XII: ECOLOGICAL INFORMATION

This product is not expected to be hazardous for the environment.

SECTION XIII: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Comply with all federal, state, provincial and local laws and regulations. Contact an appropriate waste disposal contractor and environmental agency. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses transformations, mixtures, processes and etc. May render the resulting materials hazardous.

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

PROPER SHIPPING NAME	Not regulated
HAZARD CLASS	Not regulated
IDENTIFICATION NUMBER	None
LABEL REQUIRED	None

SECTION XV: REGULATORY INFORMATION**INTERNATIONAL CHEMICAL INVENTORIES:**

Continuous filament glass fiber products are articles.

Articles are exempted from registration or listing under chemicals inventories like TSCA (USA), DSL/NDSL (CAN), REACH (EU), ENCS (JP), IECSC (CN), KECL (KR), PICCS (PH), AICS (AUS).

CALIFORNIA PROP 65:

This product is not regulated under California Prop 65.

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 SDS, AMOUNT AND DURATION OF EXPOSURES, OTHER CHEMICALS PRESENT AND PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE.

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