

SAFETY DATA SHEET

SDS IDENTIFICATION NAME: V-Wrap Glass Fiber Fabric

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

DATE: 12/17/19

SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name V-Wrap Glass Fiber Fabric

1.2 Other means of identification

V-Wrap EG50 and V-Wrap EG50B

1.3 Recommended use of the chemical and restrictions on use

Glass Fiber fabric used to reinforce structural elements.

1.4 Supplier's details

Name STRUCTURAL TECHNOLOGIES, LLC
Address 10150 Old Columbia Road
Columbia, MD 21046
USA

Telephone 410-859-6539

1.5 Emergency phone number(s)

CHEMTREC: 1-800-424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

General hazard statement

The product is non-hazardous as delivered. All components of the product are strongly bound in a solid matrix. However, generation of excessive amounts of dust from the product is hazardous. The main hazards from dust generation are listed below.

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary statement(s)

P261	Avoid breathing dust.
P264	Wash hands and exposed skin thoroughly after handling.
P280	Wear eye protection/face protection/protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations

2.3 Other hazards which do not result in classification

Known none.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances – Not applicable.

3.2 Mixtures

Components

Component	Concentration
Glass fiber (CAS no.: 65997-17-3)	92-96 % (weight)
Epoxy sizing (CAS no.: 25068-38-6)	2-4 % (weight)

SECTION 4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	After exposure to dust: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Call a poison center or doctor.
In case of skin contact	After exposure to dust: Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse.
In case of eye contact	After exposure to dust: Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.
If swallowed	After exposure to dust: Call a poison center or doctor if you feel unwell. If

vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see Section 2) and/or in section 11.

If inhaled	May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Hazardous decomposition products: Carbon oxides, nitrogen oxides.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection if necessary. Do not breathe dust or mist. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid dust formation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry and well-ventilated place. Keep product in its packaging as long as practical.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters** - Follow all applicable exposure limits.**Exposure limits: Fiber Glass Continuous Filament (65997-17-3)**

Ingredient	OSHA PEL (8-hr TWA)	ACGIH TLV (8-hr TWA)
Non- respirable particulate	15 mg/m ³ (total dust)(a)	5 mg/m ³ (inhalable fraction)
Respirable particulate	5 mg/m ³ (respirable dust)(b)	3 mg/m ³ (PNOC)*
Respirable particulate with fiber Like dimensions (glass shards)	None Established	1 fiber/cm ³ Aspect ratio >5:1
Size	None Established	None Established

*PNOC = Particles not otherwise classified

8.2 Appropriate engineering controls - Use ventilation adequate to keep exposures (airborne levels of dust, fume, etc.) below recommended exposure limits.**8.3 Individual protection measures, such as personal protective equipment (PPE)**

Eye/face protection - Safety goggles are recommended.

Skin protection – Wear protective gloves.

Body protection - Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection - A properly fitted NIOSH approved N 95 series disposable dust respirator such as 3M model 8210 or equivalent should be used when high dust levels are encountered, the level of glass fibers in the air exceeds the occupational exposure limits, or if irritation occurs.

Thermal hazards – No data available.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance/form (physical state, color, etc.)	White solid
Odor	Odorless
Odor threshold	No data available.
pH	Not applicable.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not flammable.
Upper/lower flammability limits	No data available.

Upper/lower explosive limits	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable
Specific gravity	No data available.
Solubility(ies)	1.75-1.85
Partition coefficient: n-octanol/water	Negligible (Dispersible) in water
Auto-ignition temperature	Not applicable.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	Not applicable.
Oxidizing properties	No data available.
	No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity - Not reactive under normal use and storage conditions.

10.2 Chemical stability - Stable under normal storage conditions.

10.3 Possibility of hazardous reactions – None known.

10.4 Conditions to avoid – Avoid dust generation.

10.5 Incompatible materials – Strong oxidizing agents.

10.6 Hazardous decomposition products – None expected.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Based on available data, classification data are not met
Likely Routes of Exposure: Eye contact. Skin contact. Inhalation.

Skin corrosion/irritation

Dust may cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Serious eye damage/irritation

Dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Germ cell mutagenicity

No data available.

Carcinogenicity

Based on available data, no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA, IARC and NTP.

Reproductive toxicity

No data available.

STOT-single exposure

Dust may cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity - No data available on product

Persistence and degradability - No data available on product

Bioaccumulative potential - No data available on product

Mobility in soil - No data available.

Results of PBT and vPvB assessment - PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: DISPOSAL CONSIDERATIONS**Disposal of the product**

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORTATION INFORMATION**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations specific for the product in question****California Prop. 65 Components**

WARNING: This product can expose you to chemicals including Acetaldehyde, 1, 4-Dioxane and Ethylene Oxide <5.0 Parts per billion each, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Acute health hazard for dust exposure

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

All materials or components of this product are either listed or are not required to be listed in the EPA and TSCA inventory

HMIS Rating

NFPA Rating

Acute Health 1; Flammability 0; Reactivity 0

V-Wrap Glass Fiber Fabric (High Modulus)	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

SECTION 16: OTHER INFORMATION

16.1 Further information/disclaimer

Date of issue: December 17, 2019.

SPECIAL PRECAUTIONS: Empty containers will retain some of the product residue. When handling of disposing of them, follow all label warnings, other instructions and waste disposal procedures.

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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