# SAFETY DATA SHEET

**SDS IDENTIFICATION NAME:** V-Wrap Glass Fiber Fabric  
**Product Group:** V-Wrap EG50 and V-Wrap EG50B  
**PAGE:** 1 OF 7  
**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**  

![Warning symbol]

**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

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass fiber (CAS no.: 65997-17-3)</td>
<td>92-96 % (weight)</td>
</tr>
<tr>
<td>Epoxy sizing (CAS no.: 25068-38-6)</td>
<td>2-4 % (weight)</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA PEL (8-hr TWA)</th>
<th>ACGIH TLV (8-hr TWA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-respirable particulate</td>
<td>15 mg/m³ (total dust)(a)</td>
<td>5 mg/m³ (inhaalable fraction)</td>
</tr>
<tr>
<td>Respirable particulate</td>
<td>5 mg/m³ (respirable dust)(b)</td>
<td>3 mg/m³ (PNOC)*</td>
</tr>
<tr>
<td>Respirable particulate with fiber</td>
<td>None Established</td>
<td>1 fiber/cm³</td>
</tr>
<tr>
<td>Like dimensions (glass shards)</td>
<td>None Established</td>
<td>Aspect ratio &gt;5:1</td>
</tr>
<tr>
<td>Size</td>
<td>None Established</td>
<td>None Established</td>
</tr>
</tbody>
</table>

*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.

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

<table>
<thead>
<tr>
<th>V-Wrap Glass Fiber Fabric (High Modulus)</th>
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<tbody>
<tr>
<td>HEALTH</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
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</tbody>
</table>

### NFPA Rating

Acute Health 1; Flammability 0; Reactivity 0

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**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 or 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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