

# SAFETY DATA SHEET

Date Prepared: 7/5/2016

Date Modified: 00/00/0000

Date Printed: 7/12/2016

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

### MATERIAL IDENTITY:

Vinyl Ester Poles  
Polyester

### INFORMATION TELEPHONE:

704-924-3090

### COMPANY:

Highland Composites, Inc.  
129 Business Drive  
Statesville, NC 28677 USA

### EMERGENCY TELEPHONE:

CHEMTREC: 800-424-9300

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### OSHA HAZARDOUS

This Product Is An Article Under The United States Hazard Communication Standard And Is Classified As Not Hazardous Under OSHA Regulations. Hazards Presented in this SDS Represent Exposures to Glass Filament Dusts.

Irritant to eyes, skin, mucous membranes and respiratory system

Target Organs: Respiratory, Eyes, Skin

#### GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS (FIBERGLASS DUST)

Health		Environmental	Physical
Skin Irritant	Category 2	Not Classified	Not Classified
Eye Irritation	Category 2		
STOST - Respiratory	Category 3		

Pictogram:



Signal Word

Warning

Hazard Statements	Precautionary Statements
H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation	P264 Wash thoroughly after handling. P271 Use only outdoors or in well ventilated areas. P280 Wear protective gloves/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
Cured Vinyl Ester Polymer	Proprietary	25 - 30 %
Fiberglass Filament	65997-17-3	70 - 75%

As manufactured continuous filament glass fibers are non-respirable and hazards are presented for informational purposes only. Chopping, crushing or mechanical processing may generate respirable particles including glass shards.

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### 4. FIRST AID MEASURES

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**Eye Contact:** Immediately flush eyes gently with large amounts of water for at least 15 minutes. Retract eyelids often. DO NOT rub or scratch eyes. If irritation persists, get medical attention.

**Skin Contact:** Wash off immediately with soap and cold water. DO NOT Use warm water because this will open the pores of the skin, which will cause further penetration of glass fibers. Use a wash cloth to help remove fibers. DO NOT rub or scratch the affected areas. Remove contaminated clothing. If irritation persists, get medical attention.

**Ingestion:** Accidental ingestion of this material is unlikely. If this does occur, watch the person for several days to make sure intestinal blockage does not occur. Rinse mouth with water and drink water to remove fibers from the throat. If symptoms persist, get medical attention.

**Inhalation:** Move to fresh air. If symptoms persist, get medical attention.

**Advise to physicians:** Treat symptomatically and supportively.

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### 5. FIRE FIGHTING MEASURES

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**Conditions of Flammability:** Not flammable or combustible

**Suitable extinguishing media:** Use an extinguishing media suitable of the surrounding fire. Consult with local fire authorities before attempting large scale firefighting operations.

**Hazardous Decomposition Products:** Acrid smoke-fumes, carbon monoxide, carbon dioxide and perhaps other toxic vapors may be released during a fire involving this product.

**Fire Fighting Instructions:** Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH) approved or equivalent and protective clothing. (See Section 10 – decomposition products possible). Fight fire from safe distance/protected location.

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### 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spill materials unless wearing appropriate protective clothing. (see section 8). Stop spill if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** Avoid dispersal of spill material, runoff and contact with soil and waterways. Notify authorities of any releases to sewers, soils, waterways or air.

**Methods and Materials for Containment and Cleaning Up:** This product is a solid and spills are unlikely. If dust is generated from cutting, drilling or processing control spills as follows:

- Avoid contact with skin and eyes.
- Prevent further spillage if safe to do so.
- Use an industrial vacuum cleaner with a high efficiency filter or wet cleanup methods should be used to clean up dust and fiber contamination. Avoid dry sweeping.
- Transfer to a properly labeled container.
- Dispose/report per regulatory requirements.

See Section 1 for emergency contact information and Section 13 for waste disposal.

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## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** There are no significant health hazards associated with this product during normal handling. Avoid dust generation. Wear personal protective equipment listed in Section 8. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before reuse

**Conditions for Safe Storage:** Keep only in the original container in a cool well ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

HAZARDOUS COMPONENT	PEL	STEL	TLV	Other
Cured Vinyl Ester Polymer	NE	NE	NE	NE
Fiberglass Filament (65997-17-3)	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable)	NE	NE	ACGIH 5 mg/m <sup>3</sup> (respirable)

**Engineering Controls:** Local exhaust ventilation may be required in addition to general room ventilation. A dust collection system should be used if this product is cut, drilled or processed in a manner that generate dust. Respiratory protection may be required in addition to general room ventilation. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance.

**Respiratory Protection:** Where exposure through inhalation may occur from use, NIOSH/MSHA approved respiratory protection equipment is recommended.

**Eye Protection:** Eye protection such as safety glasses with side shields must be worn when possibility exists for eye contact to airborne particles. Contact lenses should not be worn.

**Skin and Body Protection:** When skin contact is possible, wear protective clothing including gloves, long sleeve shirt and pants.

### Other hygienic practices:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**OTHER WORK PRACTICES:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work using plenty of soap and water.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	Solid
Color	Various
pH	N/DA
Melting/Freezing Temperature	N/DA
Boiling Point	N/DA
Flash Point	N/DA
Ignition Temperature	N/DA
Autoignition Temperature	N/DA
Lower explosive limit: na	N/DA
Vapor Pressure	N/DA
Vapor Density (air=1)	N/DA
Specific Gravity (water=1 @39.2F)	1.1 2
Evaporation Rate (Bac=1)	N/DA



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Odor

N/DA

Odor threshold

N/DA

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### 10. STABILITY AND REACTIVITY

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**Chemical Stability:** This product is stable under normal conditions.

**Possibility of Hazardous Reactions:** No hazardous reactivity has been reported

**Conditions to Avoid:** Excessive Heat

**Materials to Avoid:** None Known

**Hazardous Decomposition Products:** Acrid smoke-fumes, carbon monoxide, carbon dioxide and perhaps other toxic vapors may be released during a fire involving this product.

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### 11. TOXICOLOGY INFORMATION

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#### Toxicity Data

**Acute Toxicity:** No data available

**Skin Corrosion/Irritation:** No data available

**Serious Eye Damage/Eye Irritation:** No data available

**Respiratory or Skin Sensitization:** No data available

**Mutagenicity:** No data available

#### Carcinogenicity

IARC: No data available

OSHA: No data available

NTP: No data available

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### 12. ECOLOGICAL INFORMATION

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**Aquatic Ecotoxicity :** No data available

**Biodegradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

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### 13. DISPOSAL CONSIDERATIONS

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**Waste Disposal:** Recycle to process if possible. It is the generator's responsibility to comply with all Federal, State and Local rules and regulations. When a decision is made to discard this material as supplied, it does not meet RCRA's characteristics definition of ignitability, corrosiveness, or reactivity and is not listed in 40CFR261.33. The toxicity characteristic (TC), has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

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## 14. TRANSPORTATION INFORMATION

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**DOT (US)** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

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## 15. REGULATORY INFORMATION

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### TSCA INVENTORY STATUS

All components are listed or exempt

### OSHA HAZARDS

Irritant to eyes, skin, mucous membranes and respiratory system

Target Organs: Respiratory, Eyes, Skin

	HMIS Classification	NFPA Rating
Health Hazard;	1	1
Flammability	0	0
Physical Hazards	0	0

### SARA TITLE III: Section 311/312 Hazard Class

Acute Health Hazard

### SARA TITLE III: Section 313 (40CFR370)

This product does not contain a chemical which is listed in Section 313 at or above the de minimus concentrations.

### CERCLA Information (40CFR302.4)

This material contains no hazardous or extremely hazardous substances at or above the de minimus concentrations as defined by CERCLA or SARA Title III, and release is therefore not reportable.

### California Proposition 65 Information:

During normal processing, no component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

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## 16. OTHER INFORMATION

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Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Qualifiers and codes used in this SDS

EQ=Equal; AP=Approximately; LT Less Than; GT=Greater Than; TR= Trace; UK=Unkown; N/AP=Not Applicable; N/P=No Applicable Information; N/DA= No Data Available; NE=Not Established

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