

# Material Safety Data Sheet

JPS Composite Materials Corp. Tri-Temp Treated Fiber Glass Fabric

MSDS No. 116

Date of Preparation: 7/07/98

Revision: 7/28/05

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Woven Fiberglass Fabric

**Finish Types:** 1477, 1505, 1511, 1512, 1530, 9892,

**Chemical Formula:** N/A

**CAS Number:** None

**Other Designations:** Woven Fiberglass Fabric

**General Use:** Industrial

**Manufacturer:** JPS Composite Materials Corp., 101 Slater Road, P.O. Box 242, Slater, SC 29683, Phone 864-836-8011

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Continuous Filament/Fiber Glass	65997-17-3	94.0 - 97.0%
PTFE Polymer	9002-84-0	3.0-6.0%
Silicone Oil	None	2.0 - 6.0%
Carbon	1333-86-6	1.0 - 4.0%

**Trace Impurities:** N/A

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Continuous Filament Fiberglass	15 mg/cuM	N/E	10.0 mg/m <sup>3</sup>	N/E	3 Fiber/cc	N/E	N/E
PTFE Polymer Silicone Carbon	N/E	N/E	N/E	N/E	N/E	N/E	N/E

## Section 3 - Hazards Identification

### Emergency Overview

JPS Composite Materials Corp. coated and finished fabrics are stable under normal ambient conditions.

### Potential Health Effects

**Primary Entry Routes:** Inhalation

**Target Organs:** None

**Acute Effects**

**Inhalation:** Mechanical irritation of the mouth, nose and throat

**Eye:** Direct contact will cause mechanical irritation.

**Skin:** Transient mechanical irritation. Occasionally there might be skin irritation noted by individuals who are initially exposed to fiberglass.

**Ingestion:** Observe individual. If symptoms of GI irritation develop, consult a physician.

**Carcinogenicity:** IARC, NTP, and OSHA do not list JPS treated glass fabrics as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** Skin, eyes and Respiratory Irritation.

**Chronic Effects:** None Known (See Section 11)

HMIS	
H	1
F	0
R	0
PPE <sup>††</sup> Sec. 8	

## Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air; drink water to clear throat and blow nose to expel fibers.

**Eye Contact:** Flush with water for 15 minutes; get medical attention if irritation persists.

**Skin Contact:** Wash with soap and water

**Ingestion:** Consult a physician if G.I. irritation exists.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** N/A

**Special Precautions/Procedures:** None

### Section 5 - Fire-Fighting Measures

**Flash Point:** None  
**Flash Point Method:** N/A  
**Burning Rate:** None  
**Auto ignition Temperature:** None  
**LEL:** None  
**UEL:** None

**Flammability Classification:** Non-flammable

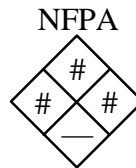
**Extinguishing Media:** Water is the best extinguishing media or use that which is appropriate for the surrounding area.

**Unusual Fire or Explosion Hazards:** None

**Hazardous Combustion Products:** Any sizing, binders or coatings on the fiberglass fabric might form hazardous decomposition products during a sustained fire. Follow fire-fighting procedures and use proper fire-fighting equipment.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure-demand or positive-pressure mode.



### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Prevent the spread of fiberglass dust and avoid dust generation conditions. Vacuum clean dusts and fiber. If sweeping is necessary, use a dust suppressant. Those involved in the clean up of fiberglass should use appropriate personal protective equipment. See Section 8.

**Containment:** N/A

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** Handle properly to prevent the spread of fiberglass dust or fibers.

**Storage Requirements:** Store in proper containers to prevent the spread of dusts and fibers. Low humidity levels will increase the spread of dusts and fibers.

**Regulatory Requirements:** Keep airborne dusts and fiber concentrations below regulatory levels.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** None

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne dust or fiber concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Respiratory Protection:** Where airborne dusts or fibers exceed the TLV, use NIOSH approved respirator to protect against nuisance dusts. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions and levels of airborne contamination.

**Protective Clothing/Equipment:** If necessary wear protective gloves or use barrier cream to protect against any mechanical irritation. Eye protection is not required unless fiber levels might cause mechanical irritation of the eyes or local regulations require the use of eye protection. Goggles should then be used. Other protective clothing is not required.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash hands after handling this material.

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b> Woven fiberglass fabric	<b>Water Solubility:</b> Not soluble
<b>Appearance and Odor:</b> no discernible odor	<b>Other Solubility's:</b> N/A
<b>Odor Threshold:</b> N/A	<b>Boiling Point:</b> N/A
<b>Vapor Pressure:</b> None	<b>Freezing/Melting Point:</b> 800 Deg. C.
<b>Vapor Density (Air=1):</b> N/A	<b>Viscosity:</b> N/A
<b>Formula Weight:</b> None	<b>Refractive Index:</b> N/A
<b>Density:</b> N/A	<b>Surface Tension:</b> N/A
<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> N/A	<b>% Volatile:</b> 0%
<b>pH:</b> 6-8 (In water)	<b>Evaporation Rate:</b> N/A

### Section 10 - Stability and Reactivity

**Stability:** JPS treated finished glass fabric is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** None

**Conditions to Avoid:** None

**Hazardous Decomposition Products:** Thermal oxidative decomposition of JPS treated glass fabrics can produce oxides of carbon, nitrogen, and fluorine.

### Section 11- Toxicological Information

<b>Toxicity Data:*</b>	
<p><b>Fiber Toxicity:</b> Glass fiber diameter determines whether the fiber is respirable. NOISH has determined that man-made mineral fibers with diameters equal or greater than 3.5 microns are non-respirable. Respirable fibers will penetrate deep into the lungs. All E-glass continuous filament fiberglass has a fiber diameter larger than 3.5 microns and therefore are non-respirable.</p>	<p><b>Carcinogenicity:</b> The following organizations have found that the continuous fiberglass filaments are not considered to be carcinogenic based on human and animal tests conducted within the last 10 years.</p> <ul style="list-style-type: none"> <li>Internal Agency for Research on Cancer- IARC</li> <li>American Conference of Governmental Industrial Hygienists – ACGIH</li> <li>Occupational Safety and Health Administration - OSHA</li> <li>National Toxicity Program NTP 7<sup>th</sup> Annual Report on Carcinogens.</li> </ul>

### Section 12 - Ecological Information

Fiberglass fabric, cleaned or finished is considered to be an inert solid waste and will not cause harm to the environment if spilled or released. This product is not manufactured with, or does not contain and Ozone depleting chemicals.

### Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

**Disposal Regulatory Requirements:** N/A

**Container Cleaning and Disposal:** N/A

**Section 14 - Transport Information**

**DOT Transportation Data (49 CFR 172.101):**

<b>Shipping Name:</b> Fiberglass Fabric <b>Shipping Symbols:</b> None <b>Hazard Class:</b> None <b>ID No.:</b> None <b>Packing Group:</b> N/A <b>Label:</b> None <b>Special Provisions (172.102):</b> None	<b>Packaging Authorizations</b> <b>a) Exceptions:</b> None <b>b) Non-bulk Packaging:</b> None <b>c) Bulk Packaging:</b> None	<b>Quantity Limitations</b> <b>a) Passenger, Aircraft, or Railcar:</b> None <b>b) Cargo Aircraft Only:</b> None  <b>Vessel Stowage Requirements</b> <b>a) Vessel Stowage:</b> None <b>b) Other:</b> None
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**Section 15 - Regulatory Information**

**EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)  
 RCRA Hazardous Waste Classification (40 CFR 261.): Not classified  
 CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112  
 CERCLA Reportable Quantity (RQ): No RQ  
 SARA 311/312 Codes: N/A  
 SARA Toxic Chemical (40 CFR 372.65): Not listed  
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ): None

**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed  
 OSHA Specifically Regulated Substance (29CFR 1910.): No

**State Regulations:** None

**Other Information:** Ammonium Perfluorooctanoate (< 0.02%) is listed by ACGIH as an animal carcinogen (A3), but not a known human carcinogen. Ammonium Perfluorooctanoate is not listed by IARC, NTP, or OSHA as either an animal or human carcinogen.

**Section 16 - Other Information**

<b>Additional Hazard Rating Systems: NFPA Hazard Rating:</b>	<b>Health</b>	-	<b>1</b>
.....	<b>Flammability</b>	-	<b>0</b>
.....	<b>Reactivity</b>	-	<b>0</b>
.....	<b>Unusual Hazards</b>	-	<b>None</b>

**Disclaimer:** The information provided herein is believed to be accurate but is not warranted. Much of the information contained in the Material Safety Data Sheet originates from suppliers; this information cannot be warranted by JPS Composite Materials Corp. to be correct or appropriate for the recipient's use. Recipients are advised to confirm in advance of need that the information is correct, applicable, and suitable to their circumstances. JPS Composite Materials Corp. assumes no legal responsibility for the use or reliance on the data in this MSDS.