

# Material Safety Data Sheet

JPS Composite Materials Corp. RFL Coated Polyester Fabric

MSDS No. 216

Date of Preparation: 9-1-99

Revision: 7/28/05

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** JPS Composite Materials Corp. RFL Coated Polyester Fabric

**Finish Types:** 1311

**CAS Number:** None

**Other Designations:** Woven Polyester 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 Polyester Filament	67892-23-3	75 to 85%
Weaving sizes	None	0.1 to 1%
Resorcinol-Formaldehyde Polymer	24969-11-7	15 to 24%
Black Pigment	None	1-2%
Vinyl Chloride Polymer	None	4-8%

**Trace Impurities:** N/A

Ingredient	OSHA PEL		ACIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Polyester filament	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Weaving Sizes	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Resorcinol/Formaldehyde	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Black Pigment	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Vinyl Chloride Polymer	N/E	N/E	N/E	N/E	N/E	N/E	N/E

## Section 3 - Hazards Identification

### Emergency Overview

There are no health hazards for which first aid is required.

### Potential Health Effects

**Primary Entry Routes:** Inhalation

**Target Organs:** None

**Acute Effects**

**Inhalation:** Unlikely to occur.

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

**Skin:** Transient Mechanical irritation possible.

**Ingestion:** Unlikely to occur. Observe individual. If symptoms of GI irritation occur, consult physician.

**Carcinogenicity:** IARC, NTP, and OSHA do not list JPS Composite Materials Corp. RFL coated polyester fabric as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** None Known.

**Chronic Effects:** None known

HMIS	
<b>H</b>	1
<b>F</b>	0
<b>R</b>	0
<b>PPE</b> <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 5 minutes. Get medical assistance if irritation persists.

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

**Ingestion:** Drink water. If GI irritation symptoms persist, get medical attention.

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

**Note to Physicians:** See above.

**Special Precautions/Procedures:** None.

### Section 5 - Fire-Fighting Measures

**Flash Point:** Material will burn if exposed to flame.

**Flash Point Method:** N/A

**Burning Rate:** N/A

**Auto ignition Temperature:** None

**LEL:** None

**UEL:** None

**Flammability Classification:** Non-Flammable

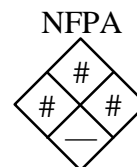
**Extinguishing Media:** Water is the best extinguishing media. Use that which is appropriate for the extinguishing media.

**Unusual Fire or Explosion Hazards:** Large amts. Of smoke may be produced.

**Hazardous Combustion Products:** Thermal decomposition of fiber and fiber coating may produce an irritating mixture of smoke and fumes.

**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 polyester fibers and avoid dust generation conditions. Those involved in the cleanup of fibers should use appropriate personal protective equipment. (See Section 8) Vacuum clean dusts. If sweeping is necessary, use a dust suppressant.

**Containment:** N/A

**Cleanup:** See Spill/Leak Procedures.

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

### Section 7 - Handling and Storage

**Handling Precautions:** Handle properly to avoid the generation and spread of fibrous dusts.

**Storage Requirements:** Store in proper containers to reduce or eliminate the spread of fibrous dusts. If possible keep humidity levels up to reduce the generation of airborne fibrous dusts.

**Regulatory Requirements:** Keep airborne dusts and fibers below recommended regulatory limits.

### 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.

**Administrative Controls:** None

**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 a 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.

**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 material.

### Section 9 - Physical and Chemical Properties

**Physical State:** Woven polyester fabric.

**Appearance and Odor:** No discernable odor.

**Odor Threshold:** N/A

**Vapor Pressure:** None.

**Vapor Density (Air=1):** N/A

**Formula Weight:** N/A

**Density:** N/A

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** N/A

**pH:** 6-8 in distilled water.

**Water Solubility:** Not soluble.

**Other Solubilities:** N/A

**Boiling Point:** N/A

**Freezing/Melting Point:** 260 Deg. C.

**Viscosity:** N/A

**Refractive Index:** N/A

**Surface Tension:** N/A

**% Volatile:** N/A

**Evaporation Rate:** N/A

## Section 10 - Stability and Reactivity

**Stability:** JPS RFL Coated Polyester 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 RFL coated polyester fabric can produce oxides of Carbon, Nitrogen and Oxygen. The exact composition will depend upon the conditions of combustion.

## Section 11- Toxicological Information

### Toxicity Data:\*

**Eye Effects:** None known

**Skin Effects:** None known

**Acute Inhalation Effects:** Non Known

**Acute Oral Effects:** None known

**Chronic Effects:** None known

**Carcinogenicity:** No

**Mutagenicity:** No

**Teratogenicity:** No

\* See NIOSH, RTECS for any additional toxicity data.

## Section 12 - Ecological Information

JPS Composite Materials Corp. RFL coated polyester fabric is considered to be an inert solid waste and will not cause harm to the environment is released. This product is not manufactured with or does not contain any 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):

**Shipping Name:** JPS RFL Fabric

**Shipping Symbols:** None

**Hazard Class:** None

**ID No.:** None

**Packing Group:** None

**Label:** None

**Special Provisions (172.102):**  
None

**Packaging Authorizations**

a) **Exceptions:** None

b) **Non-bulk Packaging:** None

c) **Bulk Packaging:** None

**Quantity Limitations**

a) **Passenger, Aircraft, or Railcar:** None

b) **Cargo Aircraft Only:** None

**Vessel Stowage Requirements**

a) **Vessel Stowage:** None

b) **Other:** None

## 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)

### 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

**Section 16 - Other Information**

**Revision Notes: None**

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