



Safety Data Sheet

JPS Composite Materials Corp. Finished Glass Fabric

SDS No.: 404

Date of Preparation: 3/1/06

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SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT/CHEMICAL NAME: Finished Fiberglass Fabric
FINISH TYPES: CS 550, F15, F50 and Volan Finish
APPLICATION: Industrial Applications
OTHER DESIGNATIONS: Woven Fiberglass Fabric using E-Glass or S2 Glass Fibers with a Silane and Chromium (Cr3+) Methacrylate Finish applied

COMPANY: JPS Composite Materials
 2200 S. Murray Ave.,
 P.O. Box 2627,
 Anderson, SC 29624

PRODUCT INFORMATION: 1-800-288-0577 (8 am. to 5 pm Eastern Standard Time)
EMERGENCY PHONE: 1-800-288-0577

SECTION 2: HAZARD IDENTIFICATION

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

Potential Health Effects

GHS classification:

Skin corrosion property · stimulativeness: Category 2 (irritation to skin)
 Critical damage and stimulativeness to eye: Category 2B (low irritation to eye)
 Specified target organ · general toxicity – single exposure: Category 3 (irritating to respiratory tract)

HMIS	
H	1
F	0
R	0
PPE	Sec. 8

Appearance and Odor: White fibers or aluminum-coated, white fibers woven into fabric of varying weight, width and thickness, depending on the style, with or without a finish, with no distinctive odor. There may be a sealant applied to the edges of slit fabrics (less-than-full-width) to prevent fibers unwinding during use.

Statement of Hazard: Warning! This may cause temporary mechanical irritation of the eyes, skin, or upper respiratory tract. Dust or particulate from machining, grinding, or sawing the cured product may cause skin, eye, and upper respiratory irritation and possible dermatitis.

Primary Entry Routes: Eyes—Yes Skin—Yes Inhalation—Yes Ingestion—No
HMIS® Rating: Health—1 Flammability—0 Reactivity—0 Special—None

Potential Health Effects:

Eye: Contact may cause mechanical irritation to the eyes. Dust or particulate from machining, grinding, or sawing the cured product may cause mechanical irritation.

Skin: Contact may cause mechanical irritation to the skin and possible dermatitis at clothing contact pressure points such as cuffs or collars. Dust or particulate from machining, grinding, or sawing the cured product may cause mechanical irritation and possible dermatitis.

Inhalation: May cause mechanical irritation to the upper respiratory tract. Dust or particulate from machining, grinding, or sawing the cured product may cause mechanical irritation to the upper respiratory tract.

Ingestion: Very unlikely. If a large amount of the product or the dust or particulate from the machining, grinding, or sawing the cured is swallowed, seek medical attention immediately.

Medical Conditions Aggravated by Exposure: Pre-existing conditions, such as respiratory or skin disorders, may be aggravated by exposure to the product or to the dust or particulate from machining, grinding, or sawing the cured product.

Carcinogenic Information: None of the finish components present in this material at concentrations equal to or greater than 0.1% are listed or regulated by NTP, OSHA, or ACGIH® as a carcinogen. Glass filament is listed by IARC as Group 3 (not classifiable as to a human carcinogen).

GHS LABEL REQUIREMENTS: None

SECTION 3: INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt or % vol
Fiberglass fiber, synthetic, vitreous, continuous filament	65997-17-3	97-99.6%

Trace Impurities: N/A

Ingredient	OSHA PEL	ACGIH TLV
Fiberglass fiber, synthetic, vitreous, continuous filament	15 mg/m ³ (Total) 5 mg/m ³ (Respirable)	5 mg/m ³ (Inhalable) 1f/cc (Respirable)

This product is not classified as a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Where specific exposure limits for component dusts are not established, the levels provided for (Total/Inhalable) dust and (Respirable) fraction reflect the classification of Particulate Not Otherwise Regulated (PNOR) by OSHA or Classified (PNO) by ACGIH®.

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, qualified personnel may administer oxygen. Get medical attention immediately.

Eye: In case of contact with the product or the cured product dust or particulate, immediately flush with water for 15 minutes, keeping the eyelids open. Get medical attention immediately.

Skin: In case of contact with the product or the cured product dust or particulate, immediately wash skin with a mild soap and room temperature to cool running water. Use a washcloth to help remove fibers. To avoid further irritation, do not rub or scratch irritated areas. Rubbing or scratching may force fibers into skin. Get medical attention immediately if the irritation persists.

Ingestion: Ingestion of the product or the dust or particulate from it is unlikely. If swallowed, get medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, dry chemical or CO2 to extinguish fires.

PROTECTIVE 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.

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. Handling practices for machining aluminum materials, if aluminum coated fiberglass (Thorstrand®), must be in accordance with NFPA®651. Dust or particulate from machining, grinding or sawing the product may present a fire or explosion hazard when dispersed and ignited in air. The reaction of aluminum dust or particulate with water produces hydrogen, which is highly flammable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ensure cleanup is done only by trained personnel wearing appropriate personal protective equipment. Do not release runoff from fire control methods to sewers or waterways.

Procedures in case of Accidental Release or Leakage: Avoid contact with skin, eyes or clothing (See Section 8). Clean up material, put into a suitable container and dispose of properly (See Section 13).

SECTION 7: HANDLING & STORAGE

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

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

Precautions to be taken in Handling and Storage: Store in a cool, dry place. Maintain sealed against contamination from dirt and moisture. Keep away from food and drink. Avoid inhalation of filament or dust particulates generated during process operation.

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

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTIVE EQUIPMENT

Eye /Face Protection: Avoid eye contact. Wear coverall goggles, as necessary, to prevent irritation, if airborne dust, fibers or particulate are present. Wear safety glasses with side shields, as necessary, if airborne dust, fibers or particulate are present when machining, grinding or sawing the cured product.

Skin Protection: Wear protective clothing such as a loose fitting, long sleeved shirt that covers to the base of the neck, long pants and gloves, as necessary, to prevent irritation. Skin irritation is known to occur primarily at pressure points such as around the neck, wrist, waist, and between fingers.

Ventilation: Use local exhaust sufficient to control dust, fibers or particulate generated. Ventilation for machining aluminum materials, if aluminum coated fiberglass (Thorstrand®), must be in accordance with NFPA® 651. If exhaust ventilation is not available or is inadequate, use a NIOSH approved dust respirator.

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.

General Hygiene Recommendations: Before eating, drinking, smoking or using toilet facilities, wash face and hands thoroughly with soap and water. Remove any contaminated clothing and laundry before reuse. Use vacuum equipment to remove fibers, dust or particulate from clothing and work areas. Compressed air is not recommended.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor: White fibers or aluminum-coated, white fibers woven into fabric of varying weight, width and thickness, depending on the style, with or without a finish, with no distinctive odor. There may be a sealant applied to the edges of slit fabrics (less-than-full-width) to prevent fibers unwinding during use.

Melting Point (°F/°C).....Fiberglass: >1292°F/>700°C
Aluminum: 1220°F/>600°C

Specific Gravity (Water=1).....2.50 – 2.90

pH of Undiluted Product.....Not determined

Volatile [Percent (%) by Weight].... 0

Percent (%) VOC.....Same as the % Volatile Content

Solubility in Water.....Insoluble

SECTION 10: STABILITY & REACTIVITY

Stability: Stable under proper handling and storage conditions.

Incompatible Materials: Fiberglass: None
 Thorstrand®: Dilute hydrochloric acid, sulfuric acid, potassium hydroxide and sodium hydroxide.

Products evolved from Heat of Combustion or Decomposition The products of combustion and decomposition depend on other materials present in the fire and the actual conditions of the fire. Burning will decompose the finish and release oxides of carbon, silicon and nitrogen, water, ammonia, hydrogen chloride, traces of incompletely burned carbon products and other unidentified gases and vapors that may be toxic. Avoid inhalation.

Hazardous Polymerization: Will not occur under proper conditions of use. Rapid heating of the product in bulk may produce an uncontrolled exothermic reaction that may char and decompose the finish, generating unidentified gases and vapors that may be toxic. Avoid inhalation.

SECTION 11: TOXICOLOGICAL INFORMATION

Component Toxicity Data:**Median Lethal Dose (Species):****Oral (LD50)**.....Not Determined**Inhalation (LD50)**.....Not Determined**Dermal (LD50)**.....Not Determined**Irritation Index, Estimation of Irritation (Species):****Skin**.....Not Determined**Eyes**.....Not Determined**Inhalation**.....Not Determined

SECTION 12: ECOLOGICAL INFORMATION

No ecological data has been determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Comply with Federal, State and Local regulation concerning health and environment when disposing of materials.**Waste Disposal Methods:** Material for disposal should be placed in appropriate sealed containers to avoid potential human and environmental exposure. It is the responsibility of the generator to comply with all federal, state, provincial; and local laws and regulations. We recommend that you contact an appropriate waste disposal contractor and environmental agency for relevant laws and regulations. Under the U.S. Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification.

SECTION 14: TRANSPORT INFORMATION

DOT:**Proper Shipping Name**.....Not Regulated**Hazard Class**.....Not Regulated**Identification Number**.....Not Regulated**Packing Group**.....Not Regulated**Label Required**.....None

SECTION 15: REGULATORY INFORMATION

SARA Title III: Section 302/304 Extremely Hazardous Substance: None
Section 311 Hazardous Categorization: None
Section 313 Toxic Chemicals: None**CERCLA Section 102****(A) Hazardous Substance:** None**RCRA Information:**

Currently, this product is not listed in federal hazardous waste regulations 40 CFR, Part 261.33, paragraphs (e) or (f), i.e. chemical products that are considered hazardous if they become wastes. State or local hazardous waste regulations may also apply if they are different from the federal regulation. It is the responsibility of the user of the product to determine at the time of disposal, whether the product meets relevant waste classification and to assure proper disposal.

WHMIS (Canada): Classification:None
"This product has been classified in accordance with hazard criteria of the "Controlled Products Regulations" and this SDS contains all the information required by the "Controlled Products Regulations."**Ingredient Disclosure List:**Fibrous glass (CAS®# 65997-17-3)
Aluminum, elemental (CAS®# 7429-90-5) Thorstrand® only.**U.S., EPA. TSCA Information:**This product is an article as defined by TSCA and is not required to be listed in the TSCA Inventory.

Ozone Depletion Information:

This product does not contain or is not manufactured with ozone depleting substances as identified in Title VI, Clean Air Act "Stratospheric Ozone Protection" and the regulations set forth in 40CFR, Part 82.

SECTION 16: OTHER INFORMATION

Explanation and 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 direct sources for these laws such as the International Agency for Research on Cancer (IARC), 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 pre-existing individual differences in response to the exposure.

The data provided in this SDS is based on the information received from our raw material suppliers and other sources believed to be reliable. We are supplying you this data solely in compliance with the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200 and other Federal and state laws as described in Section 15: Regulatory Information.

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