



0279798-002

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**Material Safety Data Sheet**

9/24/99

Complies with OSHA'S Hazard Communication Standard, 29 CFR 1910.1200

Health	0
Flammability	0
Reactivity	C
HMIS RATINGS	

**IDENTITY (As Used on Label and List)**  
 FLEXSTRAND, CONSTRUCTED ROVING, REWIND, TEXSTRAND ROVCLOTH, FORTESIL, FORTESIL 90° UNIDIRECTIONAL, FORMAT, ROVMAT, FABMAT M, KNITMAT, KNITMAT DB, STITCHED FABMAT, STRAND WASTE

<b>Section I</b>	
Manufacturer's Name FIBER GLASS INDUSTRIES, INC	Emergency Telephone Number (518) 842-4000
Address (Number, Street, City, State and ZIP Code) 69 EDSON STREET AMSTERDAM, NEW YORK 12010-9805	Telephone Number for Information (516) 842-4000
	Date Prepared January 1, 1991 rev. 8/15/99
	Signature of Preparer (optional)

<b>Section II - Hazardous Ingredients/Identity Information</b>			
Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended % (optional)
E-Glass - Composition consisting primarily of oxides of the following materials: silicon (silica), calcium, aluminum, and boron	TOTAL DUST 15 mg /m <sup>3</sup>	TOTAL DUST 10mg./m <sup>3</sup>	≤ 94
	RESPIRABLE DUST 5 mg /m <sup>3</sup>		
Surface Organic Sizing	N/A	N/A	≤ 2
Surface Binder (polyester)	None listed	None listed	≤ 4

<b>Section III - Physical/Chemical Characteristics</b>			
Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	2.55 Avg
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water - Insoluble			
Appearance and Odor Yellow-white to white fibers of diameters greater than 3.5 microns bound together into strands having no odor			

<b>Section IV - Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) Non-flaming (softening point > 800°C)	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media - N/A			
Special Fire Fighting Procedure In a sustained fire, self-contained breathing apparatus should be worn.			
Unusual Fire and Explosion Hazards N/A			

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid	N/A
	Stable	X		

Incompatibility (Materials to Avoid) None known

Hazardous Decomposition or Byproducts - In a sustained fire, polyester binder may emit irritant/toxic gas or fumes

Hazardous Polymerization	May Occur		Conditions to Avoid	None Known
	Will Not Occur	X		

**Section VI - Health Hazard Data**

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? No
Health Hazards (Acute and Chronic)	Fiberglass may cause temporary skin, eye, and upper respiratory irritation.		

Carcinogenicity	NTP? Not listed	IARC Monographs? Not listed	OSHA Regulated? Not Listed
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Signs and Symptoms of Exposure Exposure to glass fibers sometimes causes irritation of the skin, and, less frequently, irritation of the eyes, nose, or throat.

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures

**EYE CONTACT:** Flush with clear water for at least 15 minutes - Seek medical attention.

**SKIN CONTACT:** Rinse contacted areas with room temperature water to cool water, then wash gently with mild soap. If fiberglass becomes imbedded, seek medical attention.

**UPPER RESPIRATORY:** Remove from exposure. Seek medical attention if irritation persists.

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled  
No special precautions

Waste Disposal Method  
Disposal procedures for solid waste in accordance with local, state and federal regulations

Precautions to Be Taken in Handling and Storing  
None known

Other Precautions  
None known

**Section VIII - Control Measures**

Respiratory Protection (Specify Type) Not normally required. If airborne fiberglass concentrations exceed TLV, respiratory protection for nuisance dusts in accordance with OSHA 1910.134 should be provided.

Ventilation	Local Exhaust If needed to control nuisance dust	Special N/A
	Mechanical(General) N/A	Other N/A

Protective Gloves May reduce skin irritation in some operations

Other Protective Clothing or Equipment Use of long sleeved shirts (buttoned to fit loosely at the neck and wrists), long pants

Work Hygiene Practices  
Good personal hygiene will maximize comfort.



ALLEN VENTURE COMPANY HENKEL

MATERIAL SAFETY DATA SHEET

7-12-94

155B Misc H2O  
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001  
update

NC 119

MANUFACTURER: Knytex  
2301 N. Hwy. 46  
Seguin, TX 78155

REVISION DATE: January 31, 1994

SUPERSEDES: October 15, 1990

INFORMATION TELEPHONE NUMBER: (210) 372-4764

PREPARED BY: Christine Olvera

SECTION I: MATERIAL IDENTIFICATION

Name and Synonyms: Stitchbonded Fiberglass Fabric.

Product Description: Fiberglass yarns held together with Polyester stitch yarns.

SECTION II: HAZARDOUS INGREDIENT DATA

CAS #	INGREDIENT	%	OSHA PEL	ACGIH TLV
65997-17-3	Fibrous Glass	≥ 96	None Established (5mg/M <sup>3</sup> respirable nuisance dust)	10 mg/M <sup>3</sup>
	Surface Sizing	≤ 2	N/E	N/E
	Polyester Yarn	≤ 2	N/E	N/E

SECTION III: PHYSICAL DATA

Appearance and Odor: White stitchbonded fabric, no distinctive odor.

Boiling Point: N/A

Melting Point: Glass m.p. > 1155°F. Polyester Yarn = 495°F

Vapor Pressure: N/A

Filament Diameter: Greater than 4.6 microns.

Vapor Density: N/A

Percent Volatile by Volume: 0

Solubility in Water: 1-2%

N/A = Not Applicable

N/E = Not Established

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Specific Gravity (Water = 1): 2.6

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## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

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Flash Point: N/A

LEL: N/A

Flammable Limits: N/A

UEL: N/A

Fire Extinguishing Media: Water, CO<sub>2</sub>, Dry Chemical, Foam

Special Fire Fighting Procedures: Self contained breathing apparatus and protective clothing should be worn in all fires involving chemicals.

Unusual Fire and Explosion Hazards: Organic sizing can ignite if placed in hot oven.

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## SECTION V: HEALTH HAZARD DATA

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Primary Route of Entry: Inhalation

Threshold Limit Value: N/E

Health Hazards (Acute and Chronic):

- Ingestion (Swallowing)** • Acute - Unlikely to occur. Observe individual; if symptoms develop, consult physician.
- Chronic - None Known.

- Inhalation (Breathing)** • Acute - Irritation of the mouth,, nose, and throat.
- Chronic - Similar to nuisance dust.

- Skin Contact** • Acute - Transient mechanical irritation.
- Chronic - None.

- Eye Contact** • Acute - Direct contact will cause mechanical irritation.
- Chronic - None.

N.A = Not Applicable  
N/E = Not Established

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First Aid & Emergency Procedures: No special first aid or emergency procedures are applicable. If product gets on skin, rinse contacted area with room temperature to cool water, then gently wash with soap. If particles get in eyes, flush eyes with clear water for at least 15 minutes. If any skin or eye irritation occurs, seek medical attention.

Carcinogenicity: NTP - Not listed.  
IARC - Group 3, "not classifiable as to human carcinogenicity".  
OSHA - Not regulated as a carcinogen.

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### SECTION VI: REACTIVITY DATA

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Stability: Stable                      Incompatibility: N/A                      Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Thermal decomposition of surface sizing and/or thermoplastic stitch yarns may yield hazardous products of combustion.

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### SECTION VII: SPILL OR LEAK PROCEDURES

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Steps to be Taken in Case Material is Released or Spilled: No Special precautions.

Waste Disposal Method: Consult with a certified waste disposal contractor for disposal in accordance with federal, state, and local regulations.

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### SECTION VIII: SPECIAL PROTECTION INFORMATION

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Respiratory Protection: A NIOSH approved dust mask is recommended when handling this product.

Local Exhaust: Use as necessary if high levels of dust are generated by machining, etc.

Mechanical (General) Ventilation: Local ventilation preferred.

Protective Gloves: Gloves are recommended while handling this product.

N/A = Not Applicable

N/E = Not Established

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Eye Protection: Safety glasses are recommended while handling this product.

Other Protective Measures: Eye wash fountains, barrier creams. Use of long sleeve shirts, buttoned loosely at the neck and wrists, long pants, and good personal hygiene will maximize comfort.

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### SECTION IX: SPECIAL PRECAUTIONS

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This product should only be available to those persons properly trained in its handling and use. Good personal hygiene practices should always be followed.

N/A = Not Applicable  
N/E = Not Established

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