



VERTEX

MATERIAL SAFETY DATA SHEET
GLASS GROUP

SECTION I

Trade Name and Synonyms: TEXOR^R Yarn

Chemical Name and Synonyms: Continuous Filament Fiber Glass (Fibrous Glass, Glass Fibers)

Manufacturer's Name: PPG Industries, Inc., Glass Group, Fiber Glass Products

Address: One PPG Place, Pittsburgh, PA 15272

Emergency Telephone No.: (304) 843-1300

SECTION II - INGREDIENTS

Ingredients:	%	TLV(R) (Units)	PEL
Fibrous Glass: Composition consisting principally of oxides of silicon, aluminum, calcium, boron, and magnesium fused in an amorphous vitreous state.	≥ 96.5	10 mg/m ³	None Established (5 mg/m ³ - respirable nuisance dust)
Surface Sizing:	≤ 3.5	None Established	None Established

SECTION III - PHYSICAL DATA

<u>Melting Point (Softening):</u> 800°C	<u>Specific Gravity (H₂O=1):</u> 2.45
<u>Boiling Point (°F):</u> Not Applicable	<u>Percent, Volatile (Volume):</u> 0
<u>Vapor Pressure (mm Hg.):</u> Not Applicable	<u>Evaporation Rate:</u> Not Applicable
<u>Vapor Density (Air=1):</u> Not Applicable	<u>Solubility in Water:</u> Insoluble
<u>Appearance and Odor:</u> A texturized product consisting of yellow-white to white fibers bound together in strands and wound onto a tube, having no odor.	
<u>Fiber Diameter:</u> Normally there are <u>no</u> fibers with diameters smaller than 4.7 microns in any PPG TEXOR ^R Yarn product.	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-burning

Flammable Limits: Not Applicable

Extinguishing Media: Not Applicable

Special Fire Fighting Procedures: In a sustained fire, self-contained breathing apparatus (SCBA) should be worn.

Unusual Fire and Explosion Hazards: Not Applicable

SECTION V - HEALTH HAZARD DATA

Primary Route(s) of Entry: Inhalation

Signs and Symptoms of Overexposure: Rash, itching, conjunctivitis, coughing, sneezing.

Health Hazards (Acute): Exposure to glass fibers sometimes causes irritation of the skin and, less frequently, irritation of the eyes, nose, or throat.

(Chronic): A number of epidemiology studies, done over many years, of workers employed for up to 40 years in the manufacture of continuous filament fiber glass have shown no evidence of increases in either malignant or non-malignant respiratory disease attributable to exposure to fiber glass. However, recent studies have shown slight increases in lung cancer among workers employed in the manufacture of glass wool and

SECTION V (Continued)

Health Hazards (Chronic) (continued):

mineral wool insulation products. Those same studies showed no evidence of a similar effect among continuous filament fiber glass workers. This product is a continuous filament fiber glass product. Animal inhalation studies for fiber glass have not shown evidence of either a carcinogenic or fibrogenic response. Studies using artificial implantation or injection of glass fibers into animals have resulted in cancer.

However, since there are no natural mechanisms which would mimic such artificial exposures, those studies are not thought to be relevant to human exposure.

Carcinogenicity Status: Not listed by IARC, NTP, or OSHA.

Medical Conditions Aggravated by Exposure: None Known

Emergency and First Aid Procedures: **Eye Contact:** Flush eyes with clear water for at least 15 minutes - seek medical attention. **Skin Contact:** Rinse contacted areas with room temperature to cool water, then wash gently with mild soap. If fiber glass becomes imbedded, seek medical attention.

SECTION VI - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None Known

Incompatibility (Materials to Avoid): None Known

Hazardous Decomposition Products: In a sustained fire, binders may decompose releasing hazardous products of combustion (see Section IV).

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: None Known

SECTION VII - SPILL OR LEAK PROCEDURES

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

Waste Disposal Method: Dispose of as solid waste in accordance with local, state, and federal regulations. Not considered a hazardous waste under federal "RCRA" regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: None normally required. If airborne fiber glass concentrations exceed permissible exposure levels, respiratory protection for nuisance dusts in accordance with OSHA 1910.134 should be provided.

Ventilation: Use local exhaust ventilation if necessary to maintain airborne levels to below established limits.

Protective Gloves: May reduce skin irritation in some operations.

Eye Protection: Safety glasses with side shields.

Other Protective Equipment: Use of long sleeved shirts, buttoned to fit loosely at the neck and wrists, long pants, and good personal hygiene will maximize comfort.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken in Handling and Storing: None Known

Other Precautions: None Known

Revision Date: April 15, 1987
Supersedes November 1, 1985

(Meets requirements of 29 CFR 1910.1200)
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