

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### CHEMICAL PRODUCT IDENTIFICATION



**CHEMICAL NAME:** Mixture  
**CAS NO:** None Assigned  
**COMMON NAME:** Textile fiber glass with polypropylene (PP)  
Continuous filament fiber glass with a polypropylene (PP)  
**PRODUCT USE:** A heat formable reinforced material  
**MANUFACTURER:** **U.S LINER COMPANY**  
19 Leonberg Road  
Cranberry Township, PA 16066  
(724) 776-4044

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL NAME:** Glass, Oxide, Chemicals  
**CAS NO:** 65997-17-3  
**COMMON NAME:** Textile fiber glass; continuous filament glass fibers  
**PERCENT IN PRODUCT:** Maximum 75% by weight for PP  
**LD50:** N/A  
**LC50:** N/A  
**PERCENT IN PRODUCT:** **OSHA PEL**  
Total nuisance dust: 15 mg/m<sup>3</sup>  
Respirable nuisance dust: 5 mg/m<sup>3</sup>  
**ACGIH TLV TWA**  
Synthetic Vitreous Fibers: 1 f/cc, continuous filament glass fibers  
**NIOSH REL**  
Total glass dust: 5 mg/m<sup>3</sup>  
Respirable fibers: 3 f/cc

**CHEMICAL NAME:** For PP products only, the matrix contains: Polypropylene homopolymer  
**CAS NO:** 9003-07-0  
**COMMON NAME:** -----  
**PERCENT IN PRODUCT:** Maximum 75% by weight  
**LD50:** N/A  
**LD50:** N/A  
**Exposure Limits:** **OSHA PEL**    **ACGIH TLV TWA**    **NIOSH REL**  
None                      None                      None

**NIOSH REL**-NONE

## 3. HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW

### **DEGREE OF HAZARD**

0. Minimal (Insignificant)
1. Slight
2. Moderate
3. Serious (High)
4. Severe (Extreme)
5. Chronic Health Effect(s)

	<u>HEALTH</u>	<u>FIRE</u>	<u>REACTIVITY</u>
NFPA RATING:	0	0	0
HMIS RATING:	1	1	0

SEE SECTION 16 FOR ACRONYMS

#### POTENTIAL HEALTH EFFECTS

**Primary Routes of Entry:** Inhalation only when machining; skin and eye contact  
**Acute Inhalation:** Temporary upper respiratory irritation when machining  
**Chronic Inhalation:** None known  
**Acute Skin Contact & Sensitization:** Temporary skin irritation seen in certain individuals  
**Chronic Skin Contact:** None known  
**Skin Absorption:** None  
**Acute Eye Contact:** Temporary eye irritation  
**Chronic Eye Contact:** None known  
**Acute Ingestion:** Unlikely. Contact physician if unusual reaction is noted  
**Chronic Ingestion:** None known  
**Medical Conditions Which May Be Aggravated:** Pre-existing conditions which may be aggravated by mechanical irritants upon inhalation or skin contact  
**Carcinogenicity:**  
**Ingredient:** Textile or Continuous Fibrous Glass  
**NTP:** Not Listed  
**IARC:** Not Classifiable – Group 3  
**OSHA:** Not listed  
**Mutagenicity:** None  
**Teratogenicity:** None  
**Reproductive Toxicity:** None  
**Toxicological Synergistic Products:** None

#### 4. FIRST AID MEASURES

**Inhalation:** Remove from exposure. Get medical help if irritation persists.  
**Eye contact:** Flush well with running water for at least 15 minutes. Get medical help if irritation persists.  
**Skin Contact:** Cleanse with soap and water. Get medical help if irritation persists.  
**Ingestion:** Unlikely. Consult physician if unusual reaction is noted.  
**Fires:** Remove to fresh air. Administer oxygen & get medical help.  
**Information for Medical Practitioners:** Skin irritation responds well to mild Hydrocortisone cream

#### 5. FIRE FIGHTING MEASURES

**Flash Point (F) and Method:** 624°  
**Flammable Limits:** LEL: n/a UEL: n/a  
**Autoignition Temperature:** 674°  
**Extinguishing Media:** Use that which is applicable to surrounding fire. Dry Chemical, CO<sub>2</sub> or Halon.  
**Special Fire Fighting Procedures:** Fire fighters must wear full protective gear including eye protection and self-contained breathing apparatus.  
**Unusual Fire & Explosion Hazard:** Materials may thermally decompose or burn emitting toxic fumes and smoke including, but not limited to, benzoic acid, glycol, various hydrocarbons and oxides of carbons.  
Molding at temperatures above 450°F releases. Hazardous decomposition products.

#### 6. ACCIDENTAL RELEASE MEASURES

**Spills/Leaks:** Vacuum dust deposits  
**Accidental or Unplanned Releases:** Clean area with vacuum or wet methods

#### 7. HANDLING AND STORAGE

**HANDLING:** When handling and/or applying this product:  
• Wear eye protection (goggles, safety glasses or face mask)

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Gloves & Protective Clothing:** To reduce skin irritations or burns during machining or forming

**Eye Protection:** Safety glasses with side shields recommended

### CAUTIONS:

**SKIN IRRITATION:** Fiber glass may cause temporary skin irritation. Wear long sleeves, gloves and eye protection when machining. Cleanse skin with soap and warm water and wash work clothes.

**DUST IRRITATION:** A disposable mask designed for nuisance type dusts must be used when machining and/or forming material in order to prevent irritation to the nose or throat due to dust particles.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid

**Boiling Point (F):** n/a

**Melting Point (F):** PP-320°

**Freezing Point:** None

**Odor:** None

**Odor threshold:** None

**Color:** Can be black or white

**Coefficient of Water to Oil Distribution:** None

**Appearance:** Fibers assembled into rovings, mats, yarns, fabrics, chopped strands or laminated sheets.

**Vapor Density (Air=1):** n/a

**Specific Gravity (H<sub>2</sub>O=1):** Glass=1.3- 2.2

**Evaporative Rate:** None

**Vapor Pressure:** None

**% Volatile by Volume mmH8@20°C:** Not volatile

**% Solubility in Water:** Small

**pH:** Neutral

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## 10. REACTIVITY

**Stability:** Chemically stable

**Corrosivity:** Not corrosive

**Reactivity:** Not reactive

**Reactivity in Water:** Not reactive

**Incompatible Substances:** Avoid contact with alkaline materials, concentrated nitric and perchloric acids, fuming sulfuric acid and 98% sulfuric acid at 140°F

**Hazardous Polymerization:** will not occur

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## 11. TOXICOLOGICAL INFORMATION

Extensive medical-scientific research has been conducted regarding the health aspects of fiber glass over the past 50 years by the International Agency for Research on Cancer (IARC), an agency of the World Health Organization (WHO). In June 1987 IARC reviewed all of the significant research on the health effects attributed to fiber glass and determined that the data from both human and animal studies was inadequate to classify continuous filament glass fibers, such as used in our Fiber Glass Reinforcement products, as carcinogenic to humans.

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## 12. ECOLOGICAL INFORMATION

This product is not manufactured with, nor does it contain any Class I Ozone depleting chemicals as defined by EPA in Title VI of the Clean Air Act Amendments of 1990 40 DFR Part 82, Protection of Stratospheric Ozone. This product is not classified as a hazardous air pollutant in Title III Clean Air Act of 1990.

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## 13. WASTE DISPOSAL CONSIDERATIONS

Scrap material should be disposed of in a sanitary landfill in accordance with federal, state and local regulations. Waste material is not considered hazardous as defined by RCRA (40 CFR Part 261).

## 14. TRANSPORTATION INFORMATION

Bulitex and Versitex products are not considered as hazardous goods by transport regulations.

## 15. REGULATORY INFORMATION

As this product is considered a mixture, each component is listed below identifying its status on specific regulatory lists.

## 16. ADDITIONAL COMMENTS

### ACRONYMS/DEFINITIONS USED IN THIS MSDS

<b>ACGIH:</b>	American Conference of Governmental Industrial Hygienists
<b>CAS NO:</b>	Chemical Abstracts Service Number
<b>EPA:</b>	Environmental Protection Agency
<b>f/cc:</b>	Fibers per cubic centimeter
<b>HEPA:</b>	High Efficiency Particulate Air (filter)
<b>HMIS:</b>	Hazardous Material Identification System
<b>IARC:</b>	International Agency for Research on Cancer
<b>LC50:</b>	The air concentration of a substance, when administered over a specified period in an animal assay, is expected to cause the death of 50% of a defined animal population.
<b>LD50:</b>	The single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of a defined animal population
<b>LEL:</b>	Lower Explosives Limit
<b>mg/m<sup>3</sup>:</b>	Milligrams per cubic meter
<b>MSHA:</b>	Mine Safety & Health Administration
<b>N/A:</b>	Not Applicable
<b>NFPA:</b>	National Fire Protection Association
<b>NIOSH:</b>	National Institute for Occupational Safety & Health
<b>NTP:</b>	National Toxicology Program
<b>OSHA:</b>	Occupational Safety and Health Administration
<b>PEL:</b>	Permissible Exposure Limit
<b>PP:</b>	Polypropylene
<b>PET:</b>	Polyester
<b>RCRA:</b>	Resource Conservation and Recovery Act
<b>REL:</b>	Recommended Exposure Limit
<b>SARA:</b>	Superfund Amendments and Reauthorization Act
<b>Title III:</b>	Emergency Planning and Community Right to Know Act Section 302 – Extremely Hazardous Substances Section 313 – Toxic Chemicals



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