

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/m³
Respirable nuisance dust: 5 mg/m³
ACGIH TLV TWA
Synthetic Vitreous Fibers: 1 f/cc, continuous filament glass fibers
NIOSH REL
Total glass dust: 5 mg/m³
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, CO₂ 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.

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 (H₂O=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

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

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.

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.

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

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS NO:	Chemical Abstracts Service Number
EPA:	Environmental Protection Agency
f/cc:	Fibers per cubic centimeter
HEPA:	High Efficiency Particulate Air (filter)
HMIS:	Hazardous Material Identification System
IARC:	International Agency for Research on Cancer
LC50:	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.
LD50:	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
LEL:	Lower Explosives Limit
mg/m³:	Milligrams per cubic meter
MSHA:	Mine Safety & Health Administration
N/A:	Not Applicable
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety & Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
PP:	Polypropylene
PET:	Polyester
RCRA:	Resource Conservation and Recovery Act
REL:	Recommended Exposure Limit
SARA:	Superfund Amendments and Reauthorization Act
Title III:	Emergency Planning and Community Right to Know Act Section 302 – Extremely Hazardous Substances Section 313 – Toxic Chemicals



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