

United Glass RP & United Glass PS - PU Coated

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	• United Glass RP & United Glass PS - PU Coated
Trade Name	• United Glass RP & United Glass PS - PU Coated
Company	• United Felts, 450 College Drive, Martinsville, VA 24112
Company Contact	• Mark Chandler
Company Phone	• 276-656-1904
Emergency	• 276-656-1904

2. HAZARDS IDENTIFICATION

Hazard Designation	• Not classified as a hazardous material.
Potential Health Hazards	• During decomposition or combustion, the product can cause irritation to eyes, skin, or respiratory tract. As a delayed effect, sensitization to isocyanates may occur.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Polyethylene Terephthalate	25038-59-9	54 - 86
Fiberglass, continuous filament, non-respirable	65997-17-3	20 - 40
Polyurethane polymer	Proprietary	4 - 38
Titanium Dioxide	13463-67-7	< 3

This product may have been produced with Titanium Dioxide. Titanium Dioxide is not water soluble and is encapsulated. It is not extracted or released in normal processing. Therefore, Titanium in this material does not represent a hazard in normal handling, processing use and disposal.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if applicable are listed in Section 8.

4. FIRST AID MEASURES

<i>Inhalation</i>	In case of upper respiratory tract irritation: <ul style="list-style-type: none"> • Move to fresh air. • If symptoms persist, call a physician.
<i>Skin contact</i>	In case of irritation: <ul style="list-style-type: none"> • Wash off immediately with soap and <u>cold</u> water. • Do not use warm water because this will open up the pores of the skin, which will cause further penetration of the fibers. • Do not rub or scratch affected areas. • Remove contaminated clothing. • If skin irritation persists, call a physician.
<i>Eye contact</i>	<ul style="list-style-type: none"> • Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. • Do not rub or scratch eyes. • If eye irritation persists, call a physician.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	<ul style="list-style-type: none"> • Water • Foam • Dry Chemical
Hazardous Decomposition Products	<ul style="list-style-type: none"> • Carbon Dioxide (CO₂) • Carbon Monoxide (CO) • Hydrogen Cyanide (HCN) • Oxides of Nitrogen • Hydrocarbons • Diisocyanate
Special Protective Equipment	<ul style="list-style-type: none"> • Positive pressure self-contained breathing apparatus and full firefighting protective gear.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up Methods	<ul style="list-style-type: none"> • Not applicable.
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7. HANDLING AND STORAGE

Usage Precautions	<ul style="list-style-type: none"> • Not applicable.
Storage Precautions	<ul style="list-style-type: none"> • Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	
<i>Ventilation</i>	<ul style="list-style-type: none"> • Not applicable.
<i>Respirators</i>	<ul style="list-style-type: none"> • Not applicable.
<i>Protective gloves</i>	<ul style="list-style-type: none"> • Yes
<i>Eye protection</i>	<ul style="list-style-type: none"> • Safety glasses with side-shields.
<i>General protective and hygienic measures</i>	<ul style="list-style-type: none"> • Standard industry safety and hygiene principles should be exercised • Wash hands before breaks and immediately after handling the product.

If a component is disclosed in Section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale

9. PHYSICAL & CHEMICAL PROPERTIES

<i>Physical state</i>	<ul style="list-style-type: none"> • Polyurethane coated liner
<i>Color</i>	<ul style="list-style-type: none"> • White
<i>Odor</i>	<ul style="list-style-type: none"> • Faint
<i>Melting point - felt</i>	<ul style="list-style-type: none"> • 260 °C
<i>Melting point - coating</i>	<ul style="list-style-type: none"> • > 177 °C
<i>Softening point - fiberglass</i>	<ul style="list-style-type: none"> • > 800 °C
<i>Melting point - fiberglass</i>	<ul style="list-style-type: none"> • Non applicable.
<i>Density - felt</i>	<ul style="list-style-type: none"> • 150 - 200 Kg/m³
<i>Density - coating</i>	<ul style="list-style-type: none"> • 1100 - 1300 Kg/m³
<i>Density (molten glass)</i>	<ul style="list-style-type: none"> • 2.6 (water = 1)
<i>Flammability</i>	<ul style="list-style-type: none"> • Non applicable.

10. STABILITY & REACTIVITY

<i>Stability</i>	<ul style="list-style-type: none"> • Normally Stable.
<i>Conditioning/Materials to be avoided</i>	<ul style="list-style-type: none"> • Excessive heat • Organic solvents
<i>Hazardous decomposition product(s)</i>	<ul style="list-style-type: none"> • Carbon Dioxide (CO₂), Carbon Monoxide (CO), Hydrogen Cyanide (HCN), Oxides of Nitrogen, Hydrocarbons and Diisocyanate, are all anticipated at levels above trace.

11. TOXICOLOGICAL INFORMATION

Health Warnings	<ul style="list-style-type: none"> • No health risk at ambient temperatures. • Elevated temperatures may cause this product to emit irritating vapors. • Dust and fibers may cause mechanical irritation to the eyes and skin.
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12. ECOLOGICAL INFORMATION

Environmental Hazards

- Not biologically degradable.
- Bioaccumulation improbable.
- Generally not hazardous to water.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

- Dispose of waste by incineration or in landfill in accordance with local regulations.
- Fiberglass waste is a nonhazardous waste according to the European Waste Code number 101103.

14. TRANSPORT INFORMATION

Not classified as a dangerous cargo.

15. REGULATORY INFORMATION

Designation according to european commission guidelines

- No known regulations related to this product.
- Observe the local safety regulations for handling chemicals.
- The fiberglass is not hazardous according to European Directive 99/45/EC, 67/548/EEC and their latest amendment.

16. OTHER INFORMATION

This data is based on our present knowledge. However, they shall not be constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

NFPA Hazard Rating	Health	Fire	Reactivity
	1	1	0
	Slight	Slight	Minimal
HMIS Hazard Rating	Health	Fire	Reactivity
	1	1	0
	Slight	Slight	Minimal