Material Safety Data Sheet

1. Identification of substance and of company titles

Product description	UPS 19007 GT, UPS 19009 GT, UPS 995 Glass Cloth
Supplier:	UNIQUE POLYMER SYSTEMS UNIT 19 LINK BUSINESS CENTRE, LINK WAY, MALVERN, WORCESTERSHIRE, WR14 1UQ, UNITED KINGDOM Tel: +44 (0)1531636300 (Mon-Fri 9am-5pm) Email: SALES@UNIQUEPOLYMERSYSTEMS.COM

2. Hazard Identification

There are no major health hazards associated with the fabric; however exposure to glass fibres sometimes causes irritation of the skin and less frequently irritation of the eyes, nose or throat.

3. Composition/Information on ingredients

Chemical characterisation: Fibrous glass (E-type, continuous filament) compositions consisting principally of oxides of silicon, aluminium, calcium, boron and magnesium, fused in an amorphous vitreous state.

Glass fibre is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Fibrous glass, continuous filament	EC: 266/046-0 CAS: 65997/17-3	not classified

4. First Aid Measures

Inhalation:	In case of inhalation of glass dust particles or fumes from thermal degradation move into fresh air, if irritation persists seek medical attention.
Skin Contact:	If irritation is a problem then rinse the affected areas with cool water, then wash gently with mild soap. If glass fibre becomes embedded in the skin then seek medical attention.
Eye Contact:	Flush eyes with clear water for at least 15 minutes, if irritation persists seek medical attention.

5. Fire Fighting Measures

Glass fibre is inherently non-flammable.

Suitable extinguishing media: Water, carbon dioxide, dry powder.

Protective equipment for Fire fighters: In a sustained fire, self-contained breathing apparatus and protective clothing should be utilised.

6. Accidental Release Measures

Personal precautions: None

Environmental precautions: None

Methods for cleaning up: Dust pan and wet brush.

7. Handling and Storage

Precautions for handling: No special measures, for personal protection see section 8. Glass fibre has electrical isolation properties and so may give some static.

Precautions for storage: Store below 25 deg C, in a dry, well ventilated place.

8. Exposure limits and personal protection

Respiratory protection: None required. If airborne glass fibre concentrations exceed the control limit, respiratory protection for nuisance dust should be provided.

Eye protection: Safety glasses with side shields should be worn.

Hand/Skin protection: Protective gloves, overalls buttoned to fit loosely at the neck and wrists and long trousers may reduce irritation in some operations. Barrier cream may provide further protection from irritation.

Hygiene measures: Wash hands before breaks and at the end of the day. Launder items of clothing contaminated with glass fibre dust separately.

Control limits: Airborne glass dust – TLV = 5mg/m3

9. Physical and chemical properties

Appearance:	White fibres
Colour:	White
Odour:	None
pH Value:	Not applicable
Melting point (softening)	830 deg C
Flash point:	Not applicable
Auto ignition temperature:	Not applicable
Explosive properties:	Not applicable
Specific gravity:	2.6g/cm3
Solubility:	Insoluble in water. Glass fibre will disperse, to some extent in organic solvents like styrene, acetone etc.

10. Stability and reactivity

Conditions to avoid:	Stable under recommended storage and handling conditions (see section 7).
Material to avoid:	Basic phosphates, alkalis, hydrofluoric acid
Hazardous decomposition products:	Thermal decomposition: Carbon dioxide, carbon monoxide, silicone dioxide.

11. Toxicology information

Inhalation:	The products of thermal decomposition, including carbon dioxide and carbon monoxide may cause dizziness and headache after prolonged low level exposure. Pre-existing upper respiratory and lung disease may be aggravated.
Skin contact:	No toxicological effect.
Eye contact:	No toxicological effect.

THS Industrial Textiles Ltd does not manufacture products using glass fibre with diameters that are classified as respirable (fibres with diameters less than 3.0 microns which are capable of travelling into the body to the trachea, bronchi etc.)

All of the fibres products used by, or manufactured by, THS have fibre diameters equal to or greater than 4.5 microns, and are therefore not physically capable of travelling beyond the nose and pharynx.

12. Ecological information

Glass fabrics are not readily biodegradable.
No known harmful effects on the environment.

13. Information concerning disposal

Waste from residues/unused products:	Dispose as solid, non-recyclable waste according to local regulations.
Contaminated packaging:	Empty containers should be transported/delivered using a registered waste carrier for local recycling where possible or waste disposal.

14. Transport information

No special precautions or restriction involving transport are known.

15. Regulatory information

Symbols:	None
Risk phrases:	None
Safety phrases:	None

16. Other information

The data mentioned above refers to questions of safety and is given to the best of our present knowledge. This data must not be regarded as quality features and does not release the user from responsibility for the handling of this material and from observing legal regulations and directives.