



# **WILLIAM JOHNSTON & COMPANY LIMITED**

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## Material Safety Data Sheet

### IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

<b>Product Description</b>	E Glass Fibre Fabrics and Yarns.
<b>Product Category</b>	Symbol Prefix
All Fabrics and Textiles manufactured from:	<b>Air Textured Continuous Filament E Glass Fibres</b>

### COMPOSITION / INFORMATION ON INGREDIENTS

The products covered by this data sheet are based on air textured continuous filament fibres made from borosilicate E Glass (CAS-65997-17-3). The filament diameters are uniform and are well above the maximum size considered to be respirable (approx. 3 micron). They will not sub-divide into fibrils of a smaller diameter. The fibres contain small amounts of complex organic surface dressings (e.g. starch based and PVA compounds).

### HAZARD INFORMATION

These products are classified as low hazard.

### FIRST AID MEASURES

<b><u>Inhalation</u></b>	In the unlikely event of excessive inhalation of dust, (or fumes from a sustained fire situation), remove the individual to the fresh air. Obtain medical advice.
<b><u>Skin Irritation</u></b>	In the unlikely event of skin irritation wash affected part with mild soap and water. If irritation persists obtain medical advice.
<b><u>Eye Irritation</u></b>	Irrigate eyes if affected by entry of dust. Obtain medical advice if irritation persists.

### FIRE-FIGHTING MEASURES

<b><u>Flammability</u></b>	The materials will not support combustion.
<b><u>Special Firefighting Procedures</u></b>	In a sustained fire the products will degrade. The surface dressings and finishes will give rise to irritant fumes and smoke. The agents present in the aluminised cloths will also give rise to toxic products of combustion. Appropriate forms of self-contained breathing apparatus should therefore be worn in such situations.
<b><u>Extinguishing Media</u></b>	Use that appropriate to the surrounding fire.

### ACCIDENTAL RELEASE MEASURES

Glass textile products that are fire damaged or made friable should be handled with the use of personal protective equipment.

### HANDLING AND STORAGE

It is highly unlikely that these products will give rise to significant amounts of dust during normal handling and dust control measures will rarely be required in circumstances involving the fabrication of products from these materials. However, in accordance with good working practices the production

of debris should be minimised and the accumulation of dust should be removed by dust-less methods. No special storage conditions are required on health grounds.

## EXPOSURE CONTROL / PERSONAL PROTECTION

Workplace exposure to mineral fibre dust of non-respirable size should be kept to the minimum that is reasonably practicable and should not exceed a Workplace Exposure Limit of 5mg/m<sup>3</sup> (8 hour TWA) (Ref. 1).

Only if the materials are being handled extremely vigorously or subjected to harsh abrasion are dust levels likely to rise above the exposure limit given above. In such circumstances the provision of local exhaust ventilation should be considered, or if this is not practicable, dust masks should be worn approved for use against irritant dust. These should be worn in accordance with manufacturer's instructions.

To reduce the chance of skin irritation when handling glass fibre based materials, overalls of a close weave material should be worn. Gloves, arm cuffs or barrier creams may also be advantageous in some circumstances. However, emphasis should be placed on personal hygiene and hands and arms should be rinsed copiously under running water before washing.

Where there is a possibility of glass fibre entering the eye, suitable eye protection should be worn.

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Weights</b>	See appropriate Product Data Sheets
<b>Appearance</b>	The materials are white.
<b>Odour</b>	The products have no discernible odour.
<b>Solubility in Water</b>	Insoluble
<b>Melting Point</b>	>700 °C
<b>Boiling Point</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Percent Volatile (vol.)</b>	Not applicable
<b>Evaporation rate</b>	Not applicable

## STABILITY AND REACTIVITY

The products are stable when used for the intended industrial applications. (See product data sheet for range of service temperatures).

## TOXICOLOGICAL INFORMATION

### Primary Routes of Potential Exposure

Inhalation, skin and eye contact.

### Effects of Over-exposure (Acute and Chronic)

**Inhalation (Dust)**- Glass dust from the materials referred to in this Data Sheet is not regarded as respirable in view of the large diameter of the continuous filaments used, and the levels of dust likely to arise from most operations involving the handling and use of the materials will be negligible. Only if the products are subjected to harsh mechanical abrasion are levels of dust likely to arise that could be irritating to the upper respiratory tract. Such effects are usually transitory leaving no permanent damage.

**Fume**- Contact with molten metal or flame may give rise to localised emission of fume.

## ECOLOGICAL INFORMATION

These products are not associated with any known ecological problems.

## DISPOSAL CONSIDERATIONS

The disposal of waste should be carried out in accordance with national or regional directives - normally by burial in controlled industrial landfill sites.

### **TRANSPORT INFORMATION**

All Cheshire Ribbon Manufacturing products as labelled in Section 2 are transported double-wrapped to prevent possible damage.

### **REGULATORY INFORMATION**

No specific regulatory information is applicable to these glass textiles.

### **OTHER INFORMATION**

#### **References**

Health & Safety Executive Guidance Note EH 40/2005 Workplace Exposure Limits 2005