

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Description Molten Splash Protection Air Textured E Glass Fabric

<u>Product Category</u>	Molten Splash Protection Air Textured E Glass Fabric
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Supplier	Cheshire Ribbon Manufacturing Kingston Mills Manchester Road Hyde Cheshire	Date of Issue: March 2009 Prepared by: E Ashworth
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2. COMPOSITION / INFORMATION ON INGREDIENTS

The products covered by this data sheet are constructed from air-textured continuous filament borosilicate E Glass fibres (CAS-65997-17-3). Individual 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). All fabrics in this group are treated with aluminium salt. Some versions undergo further processing with various softening agents being added to produce the required performance characteristics.

3. HAZARD INFORMATION

These products are classified as low hazard.

4. FIRST AID MEASURES

Inhalation

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.

Skin Irritation

In the unlikely event of skin irritation wash affected part with mild soap and water. If irritation persists obtain medical advice.

Eye Irritation

Irrigate eyes if affected by entry of dust. Obtain medical advice if irritation persists.

5. FIRE-FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

Fabric that is fire damaged or made friable should be handled with the use of personal protective equipment.

7. HANDLING AND STORAGE

It is highly unlikely that these fabrics 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 them. 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.

8. 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/m³ (8 hour TWA) (Ref. 1).

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

To reduce the chance of skin irritation during the handling of glass fibre based materials, protective overalls of a closely woven structure should be worn. Gloves, arm cuffs or barrier creams may also be advantageous in some circumstances. Emphasis should however be placed on personal hygiene, ensuring that hands and arms are washed with copious quantities of cool running water to remove any loose fibres before application of soap for washing purposes.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Weights	See appropriate Product Data Sheets.
Appearance	See appropriate Product Data Sheets
Odour	The products have no discernible odour.
Solubility in Water	Insoluble
Boiling Point	Not applicable
Vapour Pressure	Not applicable
Percent Volatile (vol.)	Not applicable
Evaporation rate	Not applicable

10. STABILITY AND REACTIVITY

The products are stable when used for the intended industrial applications.

11. TOXICOLOGICAL INFORMATION

Primary Routes of Potential Exposure

Inhalation, skin and eye contact.

Effects of Over-exposure (Acute and Chronic)

Inhalation (Dust)

In view of the diameter of the continuous glass filaments used for the construction of this product, dust derived from the materials referred to in this Data Sheet is not generally considered to be respirable. For the majority of operations associated with the handling and use of these materials, the quantity of dust likely to arise is expected to be negligible. Products subjected to harsh mechanical abrasion however may give rise to dust that could be irritating to the upper respiratory tract. Such effects are usually transitory leaving no permanent damage. Contact with molten metal or flame may give rise to localised emission of fume.

Skin Irritation

Some people who come into contact with glass fibre experience reddening and itching of the skin. Those who are subject to this effect are most likely to experience it when handling the materials for the first time or following a period of no contact (hardening of the skin is frequently observed amongst people who regularly handle glass based fabrics). People with a history of skin complaints may be particularly susceptible to irritation and, in general, should not be allowed to directly handle glass fibre.

Eye Irritation

Entry of glass fibre into the eye will cause foreign body irritation.

Carcinogenicity

Continuous glass filament is not classified as a carcinogen.

12. ECOLOGICAL INFORMATION

These products are not associated with any known ecological problems.

13. 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.

14. TRANSPORT INFORMATION

All products as labelled in [Section 2](#) are transported double wrapped to prevent possible damage.

15. REGULATORY INFORMATION

No specific regulatory information is applicable to these glass textiles.

16. OTHER INFORMATION

The information provided in the Health & Safety Data Sheet is based on our current knowledge.

References

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

For further information contact: CHESHIRE RIBBON MANUFACTURING LTD

NOTE:

This Data Sheet relates to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same. The acquisition of additional information may necessitate revisions to parts or all of this Data Sheet, and such information will be supplied as it becomes available.

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