

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Description Alumina Silica Fibre

<u>Product Category</u>	Alumina Silica Fibre
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Supplier	Cheshire Ribbon Manufacturing	Date of Issue: March 2009
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Continuous alumina silica fibre in a polycrystalline form. Boron free. 70% AL2O3 30% SiO2

3. HAZARD INFORMATION

These products are classified as low hazard. Handling may cause temporary skin eye and upper respiratory tract irritation.

4. FIRST AID MEASURES

<u>Inhalation</u>	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.
<u>Skin Irritation</u>	In the unlikely event of skin irritation wash affected part with mild soap and water. If irritation persists obtain medical advice.
<u>Eye Irritation</u>	Irrigate eyes if affected by entry of dust. Obtain medical advice if irritation persists.

5. FIRE-FIGHTING MEASURES

<u>Flammability</u>	The fabrics will not support combustion.
<u>Special Firefighting Procedures</u>	Use water or powder. Only th packaging burns.
<u>Extinguishing Media</u>	Use that appropriate to the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Material 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 alumina silica 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 arise above the exposure limit if the fabrics 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 alumina silica fibre based fabrics, 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 alumina silica fibre entering the eye, suitable eye protection should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical State	Solid
Form	Continuous alumina silica filaments, nominal diameter 7 micron
Odour	The fabrics have no discernible odour.
Colour	White
Specific temp at which changes in physical state occur	Sublimation above 1600°C
Decomposition temperature	Only the sizing is decomposed at 100°C
Flash Point	177°C
Explosion Properties	Not applicable
Density	2.6 / cm ³
Solubility	Partial solubility of sizing in water

10. STABILITY AND REACTIVITY

The fabrics are stable under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Primary Routes of Potential Exposure

Inhalation, skin and eye contact.

Effects of Over-exposure (Acute and Chronic)

Acute Toxicity	N/A
Local Effects	Handling of continuous alumina silica filaments may cause temporary skin, eye and upper respiratory irritation
Eye Irritation	Entry of alumina silica fibre into the eye will cause foreign body irritation.
Carcinogenicity	Alumina silica fibre is not classified as a carcinogen.
Sensitisation	Possibility of cutaneous sensitisation

12. ECOLOGICAL INFORMATION

The product is not biodegradable.

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

Cheshire Ribbon Manufacturing products as labelled in [Section 2](#) are transported double-wrapped to prevent damage and water ingress.

15. REGULATORY INFORMATION

No specific regulatory information is applicable to these alumina silica textiles.

16. OTHER INFORMATION

References

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

For further information contact:

CHESHIRE RIBBON MANUFACTURING

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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