

Material Safety Data Sheet

1. Identification Of The Substance/Preparation And Company

TBA Firefly™ Plus 30, TBA Firefly™ Plus 60

Manufacturer / Supplier

TBA Textiles Ltd
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2. Composition/Information On Ingredients

The products consist of chopped and carded continuous filament fibres made from boro-silicate E Glass (CAS-65997-17-3). The filament diameters are uniform of 9 micron and above and are therefore above the maximum size considered respirable (approx. 3 micron). They will not sub-divide into fibrils of smaller diameter. The fibres contain small amounts of complex organic surface dressings (e.g. starch, vegetable oil and PVA-based). Aluminium foil is applied and sealed along the edges using a hot melt adhesive, followed by the further application of a Firefly™ complex to produce the required characteristics.

3. Hazard Information

TBA Firefly™ products are labelled for identification purposes, only being of low hazard.

4. First Aid Measures

<u>Inhalation</u>	In the unlikely event of excessive inhalation of dust, remove the individual to the fresh air. Obtain medical advice.
<u>Skin Irritation</u>	In the 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 any material. Obtain medical advice if irritation persists.



5. Fire-Fighting Measures

<u>Flammability</u>	The materials will not support combustion. (See Product Data Sheet for further information.)
<u>Special Fire-fighting Procedures</u>	In a sustained fire the products will eventually degrade and will give rise to fumes and smoke. Appropriate forms of self-contained breathing apparatus should therefore be worn in such situations.
<u>Extinguishing Media</u>	Use that appropriate to the surrounding fire.

6. Accidental Release Measures

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

7. Handling And Storage

It is highly unlikely that these products will give rise to significant amounts of loose fibre during normal handling and 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 any fibre should be removed by appropriate methods. In the event of the fabric becoming wet and thereby slightly acidic in nature, personal protection equipment e.g. gloves, spectacles and overalls should be worn. No special storage conditions are required on health grounds.

8. Exposure Control/Personal Protection

Occupational exposure to man-made mineral fibre dust even of non-respirable size should be kept to the minimum that is reasonably practicable and should not exceed a Maximum Exposure Limit of 5mg/m³ (8 hour TWA) (Refs. 1 & 2).

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

9. Physical And Chemical Properties

<u>Weights</u>	See appropriate Product Data Sheets.
<u>Outside Colour</u>	White
<u>Odour</u>	The products have no discernible odour.
<u>Solubility in Water</u>	Insoluble
<u>Melting Point</u>	See appropriate Product Data Sheets.
<u>Boiling Point</u>	not applicable
<u>Vapour Pressure</u>	not applicable
<u>Percent Volatile (vol.)</u>	not applicable
<u>Evaporation rate</u>	not applicable

10. Stability And Reactivity

The fabrics are stable when used for the intended applications.

11. Toxicological Information

Primary Routes of Potential Exposure Inhalation, skin and eye contact.

Effects of Over-exposure (Acute and Chronic)

<u>Inhalation (Dust)</u>	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.
<u>Skin Irritation</u>	Some people who come into contact with this 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. People with a history of skin complaints may be particularly susceptible to irritation and therefore should minimise their contact with the material.
<u>Eye Irritation</u>	Entry of glass fibre into the eye will cause foreign body irritation.
<u>Carcinogenicity</u>	Continuous glass filament has been reported as a material 'Not classified as to human carcinogenicity'.

12. Ecological Information

These products are not readily biodegradable. No known harmful effects on the environment.

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 TBA products are labelled as in (3) and transported securely wrapped to prevent possible damage.

15. Regulatory Information

No specific regulatory information is applicable to these glass textiles.

16. Other Information

References

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| 1. Health & Safety Executive Guidance Note
EH 46. Man-made Mineral Fibres
(Rev Nov 1990) | 2. Health & Safety Executive Guidance Note
EH 40/2000
Occupational Exposure Limits 2000 |
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For further information contact:
TBA TEXTILES LIMITED

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.

As the Company's products are used for a multiplicity of purposes, and as the Company has no control over the method of their application or use, the Company excludes all conditions or warranties, express or implied, by statute or otherwise, as to their products and/or their fitness for any particular purpose.

Any technical co-operation between the Company and the Customer is given for the Customer's assistance only and without liability on the part of the Company.