

Material Safety Data Sheet

1. Identification Of The Substance/Preparation And Company

Firefly™ Plus 30, Firefly™ Plus 60, Firefly™ Titan, Firefly™ Vulcan

Manufacturer / Supplier TBA Textiles Ltd Date of Issue: May 2012
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2. Hazard Information

TBA Firefly™ products are classified as low hazard.

3. Composition/Information On Ingredients

These products consist of carded continuous filament fibres made from boro-silicate 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 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.

4. First Aid Measures

Inhalation In the unlikely event of excessive inhalation of dust, 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 any material. Obtain medical advice if irritation persists.



5. Fire-Fighting Measures

<u>Flammability</u>	The materials will not support combustion.
<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

Workplace exposure to mineral fibre dust even 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

<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)

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. The levels of dust likely to arise from most operations involving the handling and use of the materials will be negligible.

Skin Irritation 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.

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 TBA products are labelled as in section 2 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

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

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 the same. The acquisition of additional information may necessitate revisions to parts or this entire Data Sheet, and such information will be supplied, as it becomes available.

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