

Material Safety Data Sheet

IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Description TBA Fortaglas™ - Weldstop™ treated Glass Textiles.

Symbol Prefix (Cloths) **GKP GKPF GKPP**

Manufacturer / Supplier	TBA Textiles Ltd Unit 3 Trans Pennine Trading Estate Gorrells Way Rochdale Lancashire OL11 2PX Tel No. for information / emergency (01706) 647422 Fax No. " " " (01706) 354295	Date of Issue: June 2012 Prepared by: T Swallow
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HAZARD INFORMATION

These products are classified as low hazard.

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 (GKP range) are treated with the Weldstop™ (aluminium salt). The two softened versions GKPF and GKPP undergo a further process with various softening agents being added to produce the required performance characteristics.

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

Normal handling of these fabrics is unlikely to give rise to the generation of dust. Control measures will rarely be required but may be necessary in circumstances when physical or mechanical abrasion of the product gives rise to the generation of particulate debris. This condition may arise for example when cutting parts to size or perforating holes through the fabric. When these conditions occur, the production of debris should be controlled and minimised in accordance with good working practice. Accumulated dust should be removed by dust-less methods, preferably by vacuum collection.

It is recommended that the fabrics are stored within their original wrappings in a dry location until ready for use. No special storage conditions are required on health grounds

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Workplace exposure to dust arising from the physical or mechanical abrasion of these fabrics should be kept to the minimum that is reasonably practicable and should not be allowed to exceed the exposure limits detailed below.

<u>Substance</u>	<u>Workplace Exposure Limit</u>				<u>References</u> (see section 16)
	Long-term exposure limit (8-hour TWA reference period)		Short-term exposure limit (15-minute reference period)		
	ppm	mg/m ³	ppm	mg/m ³	
MMMF (machine -made mineral fibre)	--	5 (and 2 fibres per ml)	--	--	1, 2

When dust is generated, the provision of local exhaust ventilation should be considered. If this is not practicable, protective masks approved for use against irritant dust should be worn. These should be fitted and used in accordance with manufacturer's instructions.

Contact with products containing or constructed from glass fibres could give rise to skin irritation. To protect against this risk, protective overalls of a closely woven structure should always be worn. In order to minimise skin contact, gloves, arm cuffs or barrier creams may also be employed. When taking breaks and at the completion of work, care should be taken to preserve personal hygiene. Loose glass fibres can be removed from the surface of the skin by rinsing hands and arms with copious quantities of cool running water. Liquid soap may then be used to aid final washing.

Eye protection should be always be worn to prevent the possibility of glass fibres and other particles entering the eye.

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 TBA FortaglasTM products are labelled as in [Section 2](#) and 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** – second edition published 2011
2. **EH40/2005: MMMF, Page 23.**

For further information contact: TBA TEXTILES 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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