FOTHERGILL COATED FABRICS LTD

MATERIAL SAFETY DATA SHEET

Product Name: **PTFE Coated Aramid/Glass Fabric**

Revision Date: 22/11/2023
Version: 1

Section 1: Identification

1.1 Product identifier

Product name: PTFE Coated Aramid/Glass Fabric

Product Code: xx-***/**/***
Applies to item numbers where xx is 10

1.2 Relevant identified uses of the product and uses advised against

Intended uses: Applications requiring thermal and chemical resistance. Various grades also offer anti-static properties.

1.3 Details of the supplier of the safety data sheet

Address: FOTHERGILL COATED FABRICS LTD
Unit 12
Riverside Drive
Rochdale
OL16 2SH

Email: sales@f-c-f.co.uk

1.4 Emergency telephone number

FCF telephone number: +44 (0) 1706 64 55 66 UK, available between 08:00 to 16:00 (GMT)

Section 2: Hazards Identification

2.1 Classification of the Product

Not classified as a substance or mixture under the European Regulation (EC) No 1272/2008.

Not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

Not applicable.

2.3 Other hazards

Physical/Chemical hazards: Mild eye, skin, respiratory irritation.

Health hazards: If dust is generated, irritation to the respiratory system, eyes, or skin. Inhalation of fumes from thermal decomposition of products may cause flu like symptoms.

Environmental hazards: Glass/Aramid/Polytetrafluoroethylene (PTFE) products are not readily biodegradable.

No known harmful effects on the environment.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Ingredient Name	% by Weight	CAS Number	Classification According to Reg. (EC) No. 1272
Fabric	61 - 71	65997-13-3	Not a hazardous substance or preparation
Polytetrafluoroethylene	29 - 39	9002-84-0	Not a hazardous substance or preparation
Proprietary additives	< 0.1	Proprietary	Not a hazardous substance or preparation

Fabric comprised of Para-aramid (24938-64-5) and Glass Fibre (E Type) (65997-13-3).

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: Wash with soap and water.

Eye contact: Flush eyes with copious amounts of water for 15 minutes (remove contact lenses).

Ingestion: Seek medical advice immediately (do not induce vomiting unless instructed to do so by medical personnel).

Inhalation: Get fresh air and consult medical personnel if respiratory irritation is severe.

Other information: If irritation or other effects persist seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Local irritation or flu-like symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

No special means for immediate medical treatment in the workplace are expected/required.

Section 5: Firefighting measures

5.1 Extinguishing media

All standard firefighting media (water spray, dry chemical, Carbon dioxide (CO_2), foam) are suitable.

5.2 Special hazards arising from the product

Hazardous thermal decomposition products: monomer fumes, hydrogen fluoride, and various organic fluorides.

5.3 Advice for firefighters

Self-contained breathing apparatus and full protective clothing should be worn.

Section 6: Accidental release measures

6.1 Personal precautions, proactive equipment and emergency procedures

For solid product none are required.

For dust and fibres generated use protective equipment to prevent contact with skin, eyes, or clothing.

6.2 Environmental precautions
Prevent entry into waterways or sewers.

6.3 Methods and material for containment and cleaning up
Solids can be collected and placed in non-hazardous waste container using brush and shovel.

Dust and fibres generated should be vacuumed and containerised.

6.4 Reference to other sections
For disposal instructions refer to section 13.

Section 7: Handling and storage
7.1 Precautions for safe handling
Minimise the generation of airborne dust.

Wear an approved mask or respirator if; Dust concentration exceeds local control limits or not known.
Fumes are generated during processing of PTFE products.

Avoid skin or eye contact.

7.2 Conditions for safe storage, including any incompatibilities
No special requirements.

7.3 Specific end use(s)
Not applicable.

Section 8: Exposure controls/personal protection
8.1 Control parameters
Exposure controls for hazardous components:

Glass Fibre (E Type)	OEL EH40/2005	
	Total inhalable dust	5 mg/m^3
	Total respirable dust	2.4 mg/m^3
	ACGIH TLV	10 mg/m^3
Para-Aramid fibrous dust	MEL EH40/92	
	Total inhalable dust	10 mg/m^3
	Total respirable dust	5 mg/m^3
	DuPont recommended AEL	2 fibrils/ml

8.2 Exposure controls
Engineering controls:	Presence of dust-handling systems is recommended to reduce the amount of dust generated and accumulated.
Personal protection:	Use of appropriate respiratory protection if necessary. Sensitive individuals may need to wear gloves and/or goggles. Minimise exposure by wearing loose long-sleeved clothing.
Environmental controls:	Apply appropriate controls to prevent or limit emissions.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Coated woven fabric in various styles, colours, and thicknesses

Odour: None

Melting point/freezing point: 800 °C (Glass)
327 - 342 °C (PTFE)

Initial Boiling point and boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability (solid, gas): N/D

Upper/lower flammability or explosive limits: N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density: N/D

Solubility(ies): Insoluble

Partition coefficient: N/A

Auto-ignition temperature: N/A

Decomposition temperature: 380 °C

Viscosity: N/A

Explosive properties: N/A

Oxidising properties: N/A

9.2 Other information

Not applicable.

Section 10: Stability and reactivity

10.1 Reactivity

Stable at normal ambient temperature and pressure.

10.2 Chemical stability

Product is chemically stable.

10.3 Possibility of hazardous reactions

Stable under recommended storage conditions.

10.4 Conditions to avoid

Avoid heating for prolonged periods above the specified upper usage limit and decomposition temperature.

10.5 Incompatible materials

Alkali metals and fluorinating compounds.

10.6 Hazardous decomposition products

May include: Fumes of monomers and waxy sublimate.
Hydrogen fluoride and organic fluorides.

These may/can be toxic at low concentrations.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: May be harmful if swallowed or enters airways.

Skin corrosion/irritation:	Prolonged contact may cause skin irritation with local redness.
Serious eye damage/irritation:	Mechanical irritation to eyes.
Respiratory or skin sensitisation:	Mechanical irritation to respiratory system. Inhalation of fumes causing flu-like symptoms to lethal poisoning. Pre-existing respiratory and lung diseases may be aggravated.
Germ cell mutagenicity:	Not applicable.
Carcinogenicity:	Not classifiable as a human carcinogen.
Reproductive toxicity:	No data available.
STOT-single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	Not applicable.

Section 12: Ecological information

12.1 Toxicity

Toxicity to fish (PTFE)

12.2 Persistence and degradability

Aramid/Glass/Fluoropolymer items are not readily biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data is available.

Section 13: Disposal Considerations

13.1 Waste treatment methods

Dispose of in accordance with local regulations.

Section 14: Transport information

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)
Not applicable.

14.4 Packing group
Not applicable.

14.5 Environmental hazards
None.

14.6 Special precautions
Not classified as dangerous in the meaning of transport.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

Section 15: Regulatory Information
15.1 Safety, health and environment regulations/legislation specific for the Product
EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV are not applicable to the product.

European Regulation (EC) No. 1272/2008 specifies that no labelling is required.

15.2 Chemical safety assessment
No applicable.

Section 16: Other information
16.1 Preparation information
Date of issue/revision: 22/11/2023

Version: 1

Prepared by: CT

Date of previous revision: N/A

16.2 Abbreviations and acronyms
PBT: Persistent, Bio-accumulative, and Toxic

vPvB: Very Persistent and Very Bio-accumulative

SCHC: Substances of Very High Concern

REACH: Registration, Evaluation, Authorization, and Restriction of Chemicals

16.3 Disclaimer
The information provided in this Safety Data Sheet (SDS) is based on current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements. It is not a guarantee of the product's properties. Recipients are advised to confirm that the information is suitable for their intended use. Users must ensure that they have all the current information relevant to their particular use. No warranty, expressed or implied, is given regarding the accuracy, reliability, completeness, or suitability of the

information provided. Users assume all responsibility for the use, storage, handling, and disposal of the product in a safe and lawful manner. The manufacturer or supplier is not responsible for any damage or injury resulting from use or handling of the product beyond the information contained in this SDS. For specific advice regarding the safe handling and use of the product, users should consult the latest product label and safety data sheet provided by the manufacturer.