

Safe Use Instruction Sheet

Rolls, strips and sheets of PTFE coated and laminated Glass Fiber Fabric are classified as articles under European Regulation 1907/2006 (REACH) and TSCA program. Therefore no (Material) Safety Data Sheet is legally required. However, Versiv has made the decision to deliver appropriate information to its customers in the safe handling and use of PTFE coated glass fabric through this **Safe Use Instruction Sheet**. This **SUIS** sheet follows the exact same format and contains the same information as required in a SDS.

Revision date: 22/05/2026 Version 6.3



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Commercial product name: VERSIV PTFE Coated & Laminated Glass Fabric

1.2 Relevant identified uses of the substance or mixture and uses advised against

Heat and Chemically Resistant Release Fabric

1.3 Details of the supplier of the safety data sheet

Manufacturer / distributor: **Versiv Composites Ltd.**

Address: Kilrush, Co. Clare, Ireland.

1.4 Emergency Telephone number + 353 65 90 80 100

Responsible department Quality & Technology Dept.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Not considered hazardous under recommended usage conditions

2.2 Label elements

No label required

2.3 Other hazards

Thermal decomposition of the PTFE coating (at temperatures well above the recommended limit) may cause polymer fume fever with flu like symptoms in humans, especially when smoking contaminated tobacco.

Potential Health Effects: None under recommended usage conditions

Ingestion: N / A under recommended usage conditions.

Skin Contact: N / A under recommended usage conditions.

Inhalation: N / A under recommended usage conditions.

Eye Contact: N / A under recommended usage conditions.

2.4

This version of the product safety data sheet was prepared in compliance with Regulation (EC) No. 1272/2008 as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Product description: Woven 'E' type fiberglass fabrics coated with **Fluoropolymers** (mostly PTFE, some with FEP, PFA).

Hazardous Ingredients: None

Ingredient Name:	CAS No.	%	Symbols & Health Risk Phrases
PTFE	9002-84-0	~ 15 - 74	-
FEP	25067-11-2	< 5%	-
PFA	26655-00-5	< 5%	-
Fiberglass	65997-17-3	~ 26 - 85	-

3.2 Mixtures no mixtures

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Skin: No hazards which require special first aid. Wash with soap and water. Cool skin with cold water if contacted or burnt with high temperature fabric. Consult a physician if hot fabric sticks to the skin. Do not risk peeling off skin.

Eyes: N / A

Inhalation: N/A

Ingestion: N / A

Other first aid information: N / A

4.2 Most Important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms

4.3 Indication of any immediate medical attention and special treatments needed

No information available

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Water, Carbon Dioxide, Foam, Dry Powder.

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5.2 Special hazards arising from the substance or mixture

Product is physiologically inert and non-toxic at normal service temperatures (-150°C to +260°C).

Specific hazards during firefighting

Under fire conditions, decomposition of the PTFE could occur, with the evolution of gaseous and particulate products which are toxic and if inhaled. Hazardous thermal decomposition products include: Hydrogen fluoride, fluorinated compounds, carbon oxides

5.3 Advice for firefighters

Special protective equipment for fire fighting:

Use self-contained breathing apparatus, gloves and protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

The cloth is slippery. Avoid slip hazard conditions, especially when wet.

6.2 Environmental precautions

Stable, inert material. No special precautions required.

6.3 Methods and materials for containment and cleaning up

No special procedure or materials required.

6.4 Reference to other sections

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours) when rolling or winding the fabric.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place

7.3 Specific end use(s)

Handling precautions:

Product is physiologically inert and non-toxic at the stated service temperatures (-150°C to +260°C).

When processing e.g. machining, wear safety glasses or appropriate face shield. Local Exhaust Ventilation must be used to keep dust levels below acceptable limit. Fabric as supplied does not contain respirable fibers, but machining or cutting may produce small amounts of the latter. Do

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not smoke while cutting, heat sealing or fabricating material. Extract and clean any such dust or

fumes away from the workspace. Direct skin contact with fibers glass or its dust may cause minor irritation and transitory dermatitis. Breathing fibers or dust may cause irritation of the nose and throat.

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours) when rolling or winding the fabric.

Storage: No special requirements.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

No special controls required

8.2 Exposure controls

Engineering controls

Adequate ventilation and local extraction must be used in high temperature use of this material. Use static dissipation equipment in situation where static electricity is likely to be generated. Extraction or ventilation must be used if machining, slitting or cutting this material.

Eye protection

Hand protection

Wear heat resistant gloves in high temperature use of this product

Skin and body protection

Not normally required

Hygiene measures

Not normally required

Respiratory protection

Not normally required.

Use extraction and wear a P1 dust filter mask if continuously machining or cutting large volumes of the fabric.

Individual protection measures

Not normally required

Exposure controls for hazardous components: N / A under recommended usage conditions.

Personal protective equipment:

None required under normal processing conditions.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Solid - Polymer coated woven fabric (composite)
Colour	various
Odour	none
Odour threshold	none
pH	neutral
Melting point	327°C (PTFE), Fiberglass (846°C)
Boiling point	Non available
Flash point	Does not flash
Evaporation rate	No evaporation loss under 275°C
Flammability (solid, gas)	Not flammable at recommended temperatures, UL 94 V-0 rated.
Lower explosion limit	No information available
Upper explosion limit	No information available
Vapour pressure	No information available
Relative vapour pressure	No information available
Relative density	2.2 to 2.5 g/cm ³
Water solubility	Not soluble in water
Partition coefficient n-octanol/water	No information available
Auto ignition temperature	No information available
Decomposition Temperature	Decomposition of the PTFE coating starts above 300°C

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Viscosity dynamic No information available

Explosive properties Not considered explosive

Oxidising properties Not an oxidiser

9.2 Other data None

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity non-reactive at normal temperature and pressure (-150°C to +275°C)

10.2 Chemical stability Very stable chemically at recommended temperatures

10.3 Possibility of hazardous reactions Stable under recommended storage and use

10.4 Conditions to avoid: Use Local Exhaust Ventilation to avoid breathing fumes evolved if processing above recommended temperature.

10.5 Incompatible materials none

10.6 Hazardous decomposition products

Decomposition of PTFE increases further above 350°C and becomes significant above 400°C. The principal gases evolved are tetrafluoroethylene (from 430°C), hexafluoropropylene (from 440°C), and perfluoroisobutylene (from 475°C). Carbonyl Fluoride is produced above 500°C which is converted to the highly corrosive hydrogen fluoride in moist air.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity

Acute inhalation toxicity

Chemical name	Occupational Exposure limits	Regulation
Fiberglass	5 mg/m ³ (Inhalable fraction)	US ACGIH (032014)
Polytetrafluoroethylene	LD50/Rat 11,280 mg/Kg	

Acute dermal toxicity This information is not available

Skin irritation Not considered as an irritant in humans, rabbit

Eye irritation Not considered as an irritant in humans, rabbit

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Sensitisation	Not considered as a sensitizer – patch test on humans
Germ cell mutagenicity	Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Carcinogenicity	Not listed under IARC
Reproductive toxicity	No toxicity to reproduction.
Teratogenicity	This information is not available
STOT-single exposure	not classified as a STOT toxicant, single exposure
STOT-repeated exposure	not classified as a STOT toxicant, repeated exposure
Aspiration hazard.	No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Not considered toxic to fish

12.2 Persistence and degradability

Fluoropolymers and fiberglass are inert and are slow to degrade in nature

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not a suspected PBT or vPvB chemical

12.6 Other adverse effects

No data available

No known harmful effects on the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Landfill disposal is acceptable provided that the material is appropriately classified and managed in accordance with all applicable local and national waste regulations.

Burning is not recommended.

High temperature Incineration is acceptable and will destroy Fluoropolymers, but gaseous products (e.g. HF) should be removed by alkaline scrubbing.

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Contaminated packaging: Dispose as solid waste packaging according to local regulations. Please note – PFAS is not permitted for use as packaging for food.

SECTION 14. TRANSPORT INFORMATION

This material is not regulated for transport

Land Transport (ADR/RID)

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 for user	Not classified as dangerous for transport

Inland waterway transport (ADN)

Not relevant

Air Transport (IATA)

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 for user	Not classified as dangerous for transport

Sea transport (IMDG)

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 for user	Not classified as dangerous for transport

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

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SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

This product does not contain any Substances of Very High Concern and is not subject to the revised Waste Framework Directive 2008/98/EC SCIP regulations and does not require to be registered in the SCIP database.

As per EU 2025/40 (the Packaging and Packaging Waste Regulation, PPWR), PFAS materials must no longer be used as **packaging** for **food**. This will come into force on 12th August 2026. This is to minimise the unnecessary use and release of such persistent materials into the environment.

15.2 Chemical safety assessment

SECTION 16. OTHER INFORMATION

This version of the product Safe Use Instruction Sheet (SUIS) was prepared in compliance with Regulation (EC) No. 1907/2006 (in particular as amended by Regulation (EU) No. 453/2010 with respect to SDSs) as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

The information contained in this sheet does not constitute a hazard assessment, and should not be used in place of the user's own assessment of workplace risks as required by other health and safety legislation.

Version	1	Original	
Version	2	17/12/2012.	
Version	3	10/06/2016.	Lay-out In line with current regulations
Version	4	26/04/2018	Converted to SUIS Safe Use Instruction Sheet
Version	5.0	04/01/2021	Added SCIP note section 15
Version	6.0	25/05/2022	Updated 5.2,7.3,10.6. reviewed high temperature situations
Version	6.1	10/11/2023	Update for Versiv Brand
Version	6.2	14/02/2024	Update from Saint-Gobain to Versiv
Version	6.3	22/05/2026	PFAS is no longer to be used in packaging for food. EU2025/40 Updated details on disposal. Included FEP & PFA as possible ingredients along with PTFE.

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The logo for Versiv, featuring the word "versiv" in a lowercase, sans-serif font. The letter "i" is blue, while the other letters are black.