



## EC-Safety data sheet Based Upon (1907/2006/EC) and CLP Regulation (EC) 1272/2008

Continuous filament glass fabric, finished and weave locked

### Section 1. Identification of Substance/Preparation and the Company description

1.1 Product identifier: **Continuous filament glass fibre fabric, with organic and inorganic binders systems.**  
**Product designation: e.g. styles 286, TG160, TG200, TG210, TG430, GT 590, TG660 92111, 04831, (7628), 05450, 3732, 440, 461, 6091. Finished – FI702, FI 603, FI803, FI428, FI436, FI447, FI797, FI785, FI783, FI776, FI692, FI752, FF764, FI694, FI870**

#### 1.2 Relevant identified uses of the product and uses advised against

Industrial fire protection  
Finished fire barrier

#### 1.3 Details of the supplier of the safety Data sheet

Valmiera Glass UK Ltd  
Sherborne  
Dorset DT9 3RB  
Telephone +44 (0) 1935 813722  
Telefax +44 (0) 1935 811822

#### 1.4 Emergency Telephone Number

Department responsible for issuing information: Technical tel + 44 1935 811 857

### Section 2. Hazards Identification

#### 2.1 classification of substance or mixture

This material is classed as a non-hazardous article.

#### 2.2 Label Elements - none

#### 2.3 Other hazards- see section 3 (possible dangers)

### Section 3. Composition/Information about components

#### 3.1 Description

Products made from continuous filament glass fibres with a diameter of 9 µm . The fabric is treated with organic and inorganic binders. The fabric has a maximum finish content of 3%.

#### 3.2 Mixtures

##### Ingredients

Fibrous Glass, E-glass	90 to 97 %	CAS-No. 65997-17-3
Binder & Adhesive content	< 5 %	n.a.



## EC-Safety data sheet Based Upon (1907/2006/EC) and CLP Regulation (EC) 1272/2008

Continuous filament glass fabric, finished and weave locked

### 3. Possible dangers

#### Inhalation

The inhalation of dust and fibres may cause short-term irritation of the mouth, nose and throat.

**Eye contact** with dust and fibres may cause short-term mechanical irritation.

**Skin contact** with stainless steel wire, dust and fibres may cause abrasion, itching and short-term irritations.

### Section 4. First-aid measures

#### 4.1 Description of First aid measures

**General comments** - When handled correctly, first aid measures are not necessary. Please note the comment under points 7 and 8.

#### Inhalation

Move person to fresh air. Seek medical attention if irritation persists.

#### Eye contact

Flush eyes with running water. Seek medical attention if irritation persists.

#### Skin contact

Wash with mild soap and running water. To avoid further irritation, do not rub or scratch affected areas. Rubbing and scratching may force fibres into skin. Seek medical attention if irritation persists.

#### Ingestion

Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that intestinal blockage does not occur.

#### 4.2 Most important symptoms and effects, both acute and delayed

**None.**

#### 4.3 No special treatment necessary

### Section 5. Firefighting measures

#### 5.1 Suitable extinguishing media

Water, Dry Powder, CO<sub>2</sub>, Foam

#### 5.2 Unsuitable extinguishing media for safety reasons:

no restrictions known

#### 5.3 Particular dangers from the product, its combustion products, or gas liberated.



## EC-Safety data sheet Based Upon (1907/2006/EC) and CLP Regulation (EC) 1272/2008

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Because of the low finish content, the material can be considered to be non-combustible. The finish will decompose at high temperature such as found in a warehouse fire. Typical Combustion products would be carbon dioxide, carbon monoxide and decomposition products of incomplete incineration.

5.4 Particular protective equipment when fighting fire: carry self-contained breathing apparatus

### Section 6. Measures in case of accidental release

**6.1 Personal precaution's-** Not applicable due to the finished nature of this product, see section 13 re waste disposal

### Section 7. Handling and storage

7.1 Instructions and precautions for safe handling including technical protective measures: Severe mechanical loading of the fabrics can lead to the generation of dust and fly that may produce irritation. Contact with the skin may lead to local skin irritation. Should the situation arise, local extraction measures are advisable. See also point 8.

Information on fire and explosion protection	none
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7.2 Condition for safe storage

Requirements for storage rooms	dry
Non-compatible materials/restrictions on co-storage	none
Storage instructions	do not stack unsecured
Particular requirements for electrical plant and appliances	none
Measures to prevent build-up of static charge	none
Storage class	not applicable

#### 7.3 Specific End uses

For Industrial insulation

### Section 8. Exposure controls and personal protective measures

8.1 control Measures to limit and monitor exposure	not applicable
Additional information for the design of the technical plant	not applicable



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### 8.2 Exposure controls

General Components with limit values/ classification which are specific to the place of work and have to be monitored (to TRGS 900) in connection with point 7.1

General national limit value  
(Fine dust)

Additional information / measuring method

Our products do not contain fibres with a diameter below 9µm. They present therefore only a possible irritant in the form of fly.

### 8.3 Personal protective equipment

When the recommended measures (see point 7.1) are complied with, there is no need for personal protective equipment.

Respiratory: If exclusive exposure to fly and dust is identified, the use of an F1 respirator is recommended.

Eye protection: In the case of severe fly and dust creation protective dust goggles should be worn.

Skin protection: Loose fitting long sleeved shirt, long pants and gloves.

General protection and hygiene measures: Wash hands prior to breaks and at the end of the working day. Persons with sensitive skin should use a fat-based protective cream. Avoid close-fitting working clothes.

## Section 9. Physical and chemical properties

### 9.1 Information on basic Physical and chemical properties

Form/State	solid
Colour	white fiber glass fabric, finished with an adhesive weave lock
Odour	odourless
9.20 pH-value (2 g in 100 ml water, 20 °C)	n.a.
9.21 Boiling point	n.a.
9.22 Softening point	846 °C to 1100 °C
9.23 Flash point	n.a.
9.24 Flammability	n.a.
9.25 Ignition temperature	n.a.
9.26 Self-ignition	n.a.
9.27 Explosion danger	n.a.
9.28 Explosive limits	lower: n.a./ upper: n.a.



## EC-Safety data sheet Based Upon (1907/2006/EC) and CLP Regulation (EC) 1272/2008

Continuous filament glass fabric, finished and weave locked

9.29 Fire propagation characteristics	n.a.
9.30 Vapour pressure	n.a.
9.31 Density ( 20 °C )	2.0-2.6 g/cm <sup>3</sup>
9.32 Solubility in water	n.a.
9.33 Solubility in oil	n.a.
9.34 Dispersion coefficient in octanol/water	n.a.
9.35 Other Information-none	

### Section 10. Stability and reactivity

10.1 Reactivity – If stored and handled under normal conditions no reactions either non-hazardous or hazardous are known, the product is inert.

10.2 Chemical stability and the possibility of hazardous reactions - Stable and inert

10.4 Conditions to avoid – None known.

10.5 Incompatible materials – None known.

10.6 Hazardous decomposition products

In case of a fire, small quantities of decomposition products from the combustion of the finish. See section 5.

### 11. Toxicological information

#### 11.1.1 Acute toxicity

No acute toxicity data is available for this product, but an assessment of physio-chemical properties.

Acute Oral Toxicity measurement (ATE)  
ATE<sub>mix</sub> (oral: > 2000 mg/Kg)

#### 11.1.2 Skin irritation.

For this endpoint no toxicological test data is available for the whole product.

#### 11.1.3 Respiratory sensitisation

Fibreglass continuous filament is a mechanical irritants. Breathing fibre glass dust and fibres may cause short-term irritation of the mouth, nose throat and skin.



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### 11.1.4 Germ cell mutagenicity or Carcinogenic risk

European Commission Directive 97/69/EC, amendment to Directive 67/548/EEC which concerns classification, packing and labelling of hazardous substances does not include commercial glass fibres as having carcinogenic risk.

The continuous filament glass fibre contained in our fabrics is "non-respirable". Products that are chopped, crushed or severely mechanically processed during manufacture or use may contain a very small amount of respirable glass fibre-like fragments. According to available exposure-monitoring data, the atmospheric loading in the workspace air of such fibre-like glass fragments is extremely low or not detectable.

Fibrous glass is not subject to the Ordinance on Hazardous Substances, shown in the German TRGS 900 and TRGS 905.

ACGIH: A4 – not classifiable as a human carcinogen.

IARC: Group 3 – not classifiable with respect to human carcinogenicity.

Practical experiences

When handled and used properly no effects deleterious to health are known.

### 11.1.5 Long term toxicity

There is no known chronic health effects connected with long-term use or contact with this product.

## 12. Ecological information

### 12.1 Toxicity

Assessment

No expected damaging effects to aquatic organisms

### 12.2 Persistence and biodegradability

Biologically non degradable

E glass is not biodegradable. Finishes are organic materials which slowly and only partially dissolve by natural agents like water. As the concentration of the ingredients and their solubility are very low, our fabrics are considered to have no adverse eco-toxicological effects.

### 12.3 Mobility in soil

Insoluble in water

### 12.4 Other adverse effects

None are known and our products do not contain heavy metals, PBB / PBDE or PCB.

## 13. Disposal considerations



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### 13.1.1 Waste treatment methods

Recommendation: The waste product code needs to be established with the responsible local authority.

Waste Product code No. (Preferably)	EAK-No. 101103
Waste name	Fibre Glass Material
Duty of proof	no

### 13.1.2 Uncleansed packaging

Remove fibre remnants from packaging and recycle according to packaging guidelines.

13.1.3 Glass fibres waste cannot be destroyed by incineration and can damage incinerators by the formation of a vitrified mass.

## 14. Transport regulations (cross-border / inland)

14.1 Road ADR, Railway RID, Transport by sea IMDG-code, Air transport ICAO-TI/IATA-DGR- For all these standards this product **is not regulated for transport**.

Our continuous filament glass fabrics are not considered as hazardous goods by transport regulations a packing group and do not need special procedures under any regulations. **They are not qualified by a UNO number.**

## 15. Regulations

### 15.1 Regulatory information

Continuous filament glass fabrics do not require hazardous product labelling. They do not contain hazardous ingredients. As textile glass fibre products are not dangerous goods, they do not need labelling with R – and S – Phrases.

### 15.2 Chemical safety assessment

As a non-hazardous product Coated glass fabrics do not require labelling under **CLP Regulation (EC) 1272/2008**

**According to the legislation and ECHA guidance we are not obliged to register as this product is not covered by the scope of the legislation.**

**The reason for this is that this and other Valmiera glass products are not compounds but articles, which do not release chemical substances during normal conditions of use, See Title 1 chapter 2 article 7 of regulation (EC) No 1907/2006.**

## 16. Other information



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Recommendation: Protect the product from dampness.

N.B.: The information provided describes matters relevant to safety to the best of our current knowledge. It neither constitutes quality characteristics nor absolves you from personal responsibility when handling Valmiera Glass UK Ltd fabrics and/or from observing legal regulations and conditions.