

STRONGHOLD
GRP ROOFING SYSTEM

CHOPPED STRAND MAT

SAFETY DATA SHEET

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SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product name: Stronghold Continuous Filament Glass Fibre (CFGF) 901
Chemical name: Fibre Glass
Product form: Substance (Technically an article)

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

Relevant identified uses: Reinforcement for Glass Reinforced Plastic GRP Roofing.
Contact the manufacturer for any other application.

1.3 Details of the Supplier of the safety data sheet

Manufacturer/Supplier: The Glass Fibre Roofing Company Ltd.
Address: Unit 33 Pontygwindy Industrial Estate, Caerphilly CF83 3HU
Telephone number: 02920 888020
E-mail: sales@strongholdgrp.co.uk

This document is available online at <http://www.strongholdgrp.co.uk>

1.4 Emergency telephone numbers

UK Telephone number: 02920 888020 (Office hours only)
UK Urgent medical problem: 111 (NHS Direct)
UK Life-threatening emergency: 999

SECTION 2: Hazards Identification

2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Continuous Filament Glass Fibre (CFGF) Products are not classified as a dangerous substance in accordance with regulations. They are not subject to notification under chemical regulations such as REACH, are not subject to classification and labelling according to GHS and do not technically require a Safety Data Sheet (SDS). An SDS is provided to ensure safe use and handling and use of CFGF products.

This substance does not have a workplace exposure limit.
This substance is not identified as a PBT substance.

Health Hazards

Irritating to skin: Category 3
Eye irritation: Category 2B
Acute toxicity: Category 5

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms:



Signal word:

Warning

Hazard statements:

May be harmful if swallowed.	H303
Causes mild skin irritation.	H316
Causes eye irritation.	H320
May be harmful if inhaled.	H333

Precautionary statements - Prevention:

Wash contaminated skin thoroughly after handling.	P264
Wear protective gloves/protective clothing/eye protection/face protection.	P280

Other hazards: No information available.

SECTION 3: Composition/Information on Ingredients**3.1 Substances**

Product name	Glass %	Size %	Binder %	Water %
Woven roving	98.8 – 99.85	0.15 – 1.00	Nil	0 – 0.20
Emulsion chopped strand mat	93.5 - 96.65	0.35 – 1.35		0 – 0.20

Fibre glass: CAS No 65997-17-3

Size: Size is a mixture of chemicals applied to the glass strands. Most of this mixture is made up of basically non-reactive high molecular weight polymers, often natural ingredients (starches) with no reactive sites, which are not listed as substances in the EINECS nor in the ELINCS appendices.

Sometimes size also contains substances of organosilane family or other substances. The manufacturer considers this risk as negligible as, even though listed as dangerous products, the concentration is extremely low (under 0.1% of total weight) and they are polymerised during the production of glass fibres production.

SECTION 4: First Aid Measures**4.1 Description of first aid measures**

Eye Contact:	Immediately flush eyes with clean water for at least 15 minutes. If irritation persists, get medical help.
Skin contact:	If irritation occurs to the skin, rinse with soap and water. Make sure to refrain from rinsing with warm water since warm water will make the skin pores open to allow fibreglass to penetrate more deeply. If fibreglass penetrates the skin, use a wash cloth to help pull out the fibreglass. To avoid further irritation, do not rub or scratch affected skin. If irritation persists, get medical help. Make sure to refrain from using compressed air to remove fibreglass from the skin.
Inhalation:	If inhaled, immediately remove the affected person to fresh air. If irritation persists, get medical help.
Ingestion:	Normally, ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that gastrointestinal disturbance does not occur. Do not let the person vomit unless required by medical personnel. If disturbance persists, get medical help.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	Ingestion of the material is unlikely. However, ingestion of the material may cause gastrointestinal disturbance.
Ingestion:	Breathing fibreglass dusts and particulates may cause irritation of the nose, throat and respiratory tract.
Skin contact:	Fibreglass dusts and particulates may cause temporary irritation.
Eye Contact:	Fibreglass dusts and particulates may cause temporary irritation to the eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician:	No information available.
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SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media:	Non-flammable. But the size and packing material may burn. Use dry chemical, foam, carbon dioxide and water as extinguishing media.
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5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:	Primary combustion products are carbon monoxide, hydrogen, carbon dioxide and water. Other undetermined compounds can be released in small quantities.
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5.3 Advice for firefighters

Protective equipment for firefighters:	Fire fighters must use self-contained breathing apparatus and wear full protective gear.
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SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Remove all sources of ignition, heat, flames and sparks. Take precautionary measures against static charges. Ensure adequate ventilation. Use personal protective equipment.
For emergency responders:	Avoid breathing vapours or mists. In the event of fire and/or explosion DO NOT breathe fumes. Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions:	The product should not be allowed to enter drains, water courses or the soil. DO NOT flush into surface water or sanitary sewer system.
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6.3 Methods and material for containment and cleaning up

Methods for cleaning up:	In case of release to land, the material should be scooped up as waste and put into a special container and stored in a designated area. In case of release of water, the material will sink and disperse along the bottom of waterways or ponds and cannot be easily removed after it is waterborne. However, the material is non-hazardous in water.
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SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Precautions for safe handling: Try to prevent the packing material from be damaged and keep the product inside the packing material to minimize the generation of dusts.
Maintain a clean work environment and avoid generation of fibreglass fragments from improper handling.

7.2 Conditions for safe storage, 3 including any incompatibilities

Storage conditions: Keep product in its packaging until use to minimize potential dust generation.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters

National and international hygiene standards are as follows:

Component	Permissible Exposure Limit of OSHA (8-hr Average Weight)	Permissible Exposure Limit of ACGIH (8 hr Average Weight)
Total Dust	15 mg/m ³	10 mg/m ³
Respirable particulates	5 mg/m ³	3 mg/m ³
Respirable Fibre	Not available	1 fibre/ml

8.2 Exposure controls

Occupational exposure limits

Engineering measures: Production areas are closed off and a required relative humidity is maintained.

Personal protective equipment

General Information: Use personal protective equipment.

Respiratory protection: Wear a suitable mask when working in an environment where dust concentration is high.

Eye protection: Wear safety glasses and face shield.

Skin and body protection: Normal loose working clothing (long-sleeved shirts and long pants) is recommended. Skin irritation occurs primarily at the contact areas such as around the neck and waist.

Hand protection: Wear gloves. Skin irritation occurs primarily at the contact areas such as wrists and between the fingers.

Environmental exposure controls

Environmental exposure controls: DO NOT allow material to contaminate ground water system.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Property	Values	Remark
Appearance	White / off white	
Physical state	Solid	
Particle size	No data available	No data available
Odour	No odour	
Odour threshold	No data available	No data available
pH	No data available	No data available
Melting point/range	No data available	No data available
Freezing point	No data available	No data available
Boiling point	No data available	No data available
Flash point	No data available	No data available
Evaporation rate	No data available	No data available
Flammability limits in air		
Upper	>800°C	
Lower	No data available	No data available
Vapour pressure	No data available	No data available
Vapour density	No data available	No data available
Density	No data available	No data available
Water solubility	No data available	No data available
Partition coefficient	No data available	No data available
n-octanol/water	No data available	No data available
Solubility in other solvents	No data available	No data available
Auto ignition temperature	No data available	No data available
Decomposition temperature	No data available	No data available
Viscosity, kinematic	No data available	No data available
Viscosity, dynamic	No data available	No data available
Explosive properties	No data available	No data available
Oxidizing properties	No data available	No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

This is a non-reactive material.

10.2 Chemical stability

This is a stable material.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

Hazardous polymerisation will not occur.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity:	None.
Irritability:	Fibreglass dusts may cause irritation to skin and eye. Ingestion of fibreglass may cause irritation to the throat, stomach and gastrointestinal tract. Inhalation may cause coughing, sneezing and nose and throat irritation. Experience indicates that inhalation of a large amount of fibreglass may cause difficulty in breathing, congestion and chest tightness.
Carcinogenicity:	The International Agency for Research on Cancer (IARC), agency of the World Health Organization (WHO), has determined that fibreglass is a non-carcinogenic material because the evidence is inadequate to prove that fibreglass can cause humans and experimental animals to develop cancer.

SECTION 12: Ecological Information

12.1 Toxicity

No data available for this product. Fibreglass products are not listed as a material harmful to animals, plants and fish.

The product contains a substance or substances that will contribute to global warming (greenhouse effect). Not expected to have ozone depletion potential.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

RCRA Hazard Class:	Non-hazardous.
Disposal Instructions:	Dispose waste material according to local environmental regulations.

SECTION 14: Transport Information

Transport instructions:

Rolling and moisture should be avoided in transit.

14.1 UN Number

None.

14.2 UN proper shipping name

None.

14.3 Transport hazard class

None.

14.4 Packing group

None.

14.5 Environmental hazards

None.

SECTION 15: Regulatory Information

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

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SECTION 16: Other Information

None.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, in formation and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Material Safety Data Sheet