

Safety Data Sheet

In accordance with Regulation (EC) No 1907/2006

Stronghold Continuous Filament Glass Fibre (CFGF) 901

Reinforcement for Glass Reinforced Plastic GRP Roofing

The Glass Fibre Roofing Company Ltd

Revision date: 4th January 2021

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

Substance/Mixture: 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, 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, NHS Direct: 111

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.

Physical hazards

Not classified.

Health hazards

Irritating to skin Category 3

Eye irritation Category 2B

Acute toxicity Category 5

Environmental hazards

Not Classified.

Human health

Ingestion Ingestion of the material is unlikely. However, ingestion of the material may cause gastrointestinal disturbance.

Inhalation Breathing fiberglass dusts and particulates may cause irritation of the nose, throat and respiratory tract.

Skin contact Fiberglass dusts and particulates may cause temporary irritation.

Eye contact Fiberglass dusts and particulates may cause temporary irritation to the eyes.

Environmental

Not classified.

Physicochemical

Not classified.

2.2 Label elements

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

Not compulsory for this substance.

Hazard pictograms



Signal word: Warning.

Hazard statements:

H316 Causes mild skin irritation.

H320 Causes eye irritation.

H303 May be harmful if swallowed.

H333 May be harmful if inhaled.

Precautionary statements:

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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	3.0 -5.4	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 fiberglass to penetrate more deeply. If fiberglass penetrates the skin, use a wash cloth to help pull out the fiberglass. 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 fiberglass 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.

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

Special protective equipment for fire-fighters	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

Personal precautions	Wear long-sleeved loose fitting clothing when handling material. Gloves and eye protection should be used at all times.
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6.2 Environmental precautions

Environmental precautions	Do not release into the environment.
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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

Usage precautions	Try to prevent the packing material from being damaged and keep the product inside the packing material to minimize the generation of dusts. Maintain a clean work environment and avoid generation of fiberglass fragments from improper handling.
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7.2 Conditions for safe storage, 3 including any incompatibilities

Storage precautions	Keep product in its packaging until use to minimize potential dust generation.
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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	/	1 fibre/ml

8.2 Exposure controls

Occupational exposure controls

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

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	
Odour	No odour	
Flammability limits in air		
Upper	>800 °C	
Lower		

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

Acute toxicity. None.

Irritability. Fiberglass dusts may cause irritation to skin and eye. Ingestion of fiberglass 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 fiberglass 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 fiberglass is a non-carcinogenic material because the evidence is inadequate to prove that fiberglass can cause humans and experimental animals to develop cancer.

SECTION 12: Ecological Information

12.1 Toxicity

No data available for this product. Fiberglass 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

RCRA Hazard Class. Non-hazardous.

Disposal Instructions. Dispose waste material according to local environmental regulations.

SECTION 14: Transport information

Classification and Code of Hazards. None.

UN Code. None.

Packing category. None.

Transport instructions. Rolling and moisture should be avoided in transit.

SECTION 15: Regulatory information

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SECTION 16: Other information

None

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information 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 Safety Data Sheet