

# Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: FireHalt Smoke and Flame Curtains-SF and SF90

Product No: FIR-SF-xxxx

Version: 3

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Revision date: 11/05/2017

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Product identifier:** FIR-SF-XXXX

**Application of the material:** FireHalt

**Substance name:** FireHalt Smoke And Flame Curtains-SF and SF90

**Details of the supplier of the safety data sheet:**

<b>Supplier:</b>	Culimeta-Saveguard Ltd
<b>Address:</b>	Tame Valley Mill, Wainwright St, Dukinfield, Cheshire, SK16 5NB
<b>Information Contact:</b>	Quality Management
<b>E-Mail (competent person)</b>	<a href="mailto:rlaetherbarrow@culimeta-saveguard.com">rlaetherbarrow@culimeta-saveguard.com</a>
<b>Emergency Telephone No:</b>	0161 344 2484

## SECTION 2: Hazards identification

**Appearance and odour:** odourless green or white treatment on both sides. Because the fabric is treated both sides the following risks are significantly reduced. However, they are included for completeness, and are most applicable when the fabric is being cut to shape.

**Eye Contact:** Dusts and fibres from the cut fabric may cause mechanical irritation

**Skin Contact:** Glass fibres may cause itching and short term mechanical irritation

**Ingestion:** May cause mechanical irritation from the glass fibres

**Inhalation:** Glass fibres may cause irritation of the nose, throat, and respiratory tract. Avoid inhaling fine dust particles or fumes

**Medical conditions aggravated by exposure:** Respiratory and skin conditions that are aggravated by mechanical irritants may be at an increased risk for worsening from exposure to the product.

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## SECTION 3: Composition/information on ingredients

Treated Aluminium borosilicate 'E' glass fabric. Organic treatment on both sides

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## SECTION 4: First aid measures

**Inhalation:** Remove to fresh air. If symptoms persist, seek medical attention

**Ingestion:** Ingestion is unlikely. However, if it does occur watch the person for several days to make sure that intestinal blockage does not occur.

**Eye Contact:** Flush copiously with water for 15 mins. Do not rub or scratch eyes. Rubbing or scratching may cause mechanical damage. If irritation persists seek medical attention

**Skin Contact:** Wash immediately with soap and water. Use a washcloth to help remove fibres. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibres into the skin. If irritation persists, seek medical attention.

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## SECTION 5: Firefighting measures

**Classification:** Glass fibre is non-flammable

**Extinguishing media:** Dry chemical, foam, carbon dioxide, water

**Unusual fire and explosion hazards:** None known

**Fire fighting instructions:** No special procedures necessary. Use general fire fighting procedures for packaging materials. Use self-contained breathing apparatus and fire fighting protective gear in a sustained fire.

**Hazardous combustion products:** In a sustained fire situation the coating will burn to form carbon monoxide, carbon dioxide, hydrocarbons, nitrogen and halogen based gases. Other undetermined compounds could be released in small quantities.

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## SECTION 6: Accidental release measures

Releases of this product to the land, water and air may require reporting to the local authorities. Refer to local and applicable national regulations.

**Land-Spill:** Scoop up material and put into a suitable container for disposal as a non-hazardous waste.

**Water Spill:** This material will sink and disperse along the bottom of waterways and ponds. It can not easily be removed after it is waterborne, however, the material is non-hazardous in water.

**Air release:** This material will settle out of the air. If concentrated on land it can then be scooped up for disposal as a non-hazardous waste.

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## SECTION 7: Handling and storage

**Storage temperature:** <120°C

**Storage pressure:** N/A

**Handling and storage procedures:** No special procedures are required for this material

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## SECTION 8: Exposure controls/personal protection

**Exposure guidelines:** As particulate (UK)

**Inhalable dust:** (8hr TWA) 5mg/m<sup>3</sup>. Total dust 10mg/m<sup>3</sup>

**For MMVF,** (8hr TWA) values in fibres/ml

**UK and Ireland 2, Italy, Spain 1, Austria and Switzerland 0.5, Germany 0.25, Belgium and Portugal 0.**

**Please refer to local legislation for exposure limits in other countries.**

**Other guidelines:**

**Fibrous glass (fibreglass continuous filament) (65997-17-3)**

**ACGIH: Inhalable fraction: (5) mg/m<sup>3</sup> TWA (related to fibrous glass)**

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**Respirable fraction: (1) fibre/ml (related to respirable particulate with fibre like dimensions-glass shards)**

The TLV-Time Weighted Average-for respirable continuous filament glass fibres are non-respirable. Continuous filament glass products that are chopped, crushed or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate, some of which may be glass shards.

**Ventilation:** Ventilation should effectively remove and prevent build up of dust generated from the handling of this product. Provide adequate local exhaust ventilation to maintain worker exposure limits.

**Personal Protective Equipment** to be worn whenever the fabric is being cut to expose loose glass fibre filaments, otherwise the effects are significantly reduced because the fabric is coated both sides.

**Respiratory Protection:** Use particulate filter respirator such as FFF1/P1 or FFF2/P2 for particulate concentrations exceeding the OEL.

**Skin Protection:** Normal work clothing (long sleeve shirts and long trousers) are recommended. Use impervious gloves. Skin irritation is known to occur at the pressure points such as around the neck, wrists, waist and between the fingers.

**Eyes/Face protective equipment:** Wear safety glasses, goggles, or face shield

**Work practises:** Use good hygiene practises in handling. Remove material from clothing using vacuum-never compressed air. Always wash work clothes separately from other clothing. Wipe out the washer or sink to prevent loose glass fibres from getting on other clothing. Keep work areas clean from dusts and fibres released during processing or fabrication. Use vacuum to clean up product. Avoid dry sweeping or using compressed air as these techniques re-suspend dusts and fibres into the air. Eye wash fountain and emergency showers are recommended.

This product may contain traces of retained toluene, the maximum level for airborne concentration is 100ppm.

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## SECTION 9. | Physical and chemical properties

**Appearance:** Green or White on both sides

**Odour:** None from fully cured product

**Softening point:** Glass fibre 830-870°C, Liquid temperature 1065°C

**Boiling point:** N/A

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**Freezing point: N/A**

**Evaporation point: N/A**

**Viscosity: N/A**

**Vapour Pressure: N/A**

**p H: N/A**

**Solubility in water: Insoluble**

**Specific gravity: 2.6**

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## SECTION 10. Stability and Reactivity

**This is a stable material**

**Conditions to avoid: None expected**

**Incompatible materials: None expected**

**Hazardous decomposition products: Primary combustion products are carbon monoxide, carbon dioxide and water. Other undetermined products could be released in small quantities**

**Hazardous polymerization: Will not occur**

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## SECTION 11. Toxicological information

**Acute toxicity: Glass fibre dusts may cause mechanical irritation to the eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty in breathing, congestion, and chest tightness**

**Chronic toxicity: No known effects connected to long term use or contact.**

**Carcinogenicity: Fibreglass continuous filament: Classified as non carcinogenic**

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The international agency for research on cancer (IARC) categorised fibreglass continuous filament as non-classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fibreglass continuous filament as a possible, probable, or confirmed cancer causing material.

The American conference of governmental industrial hygeinists (ACGIH) established an A4 clasification- not classifiable as a human carcinogen for respirable continuous filament glass fibres (based on 65997-17-3)

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## SECTION 12. Ecological information

No environmental detrimental effects known. This material is not expected to harm animals, plants or fish.

ODP Values. No ozone depleting substances (CFCs, HCFCs, HBFCs, and halon or their substitutes HFCs, HCs and PFCs) have been identified in the finished product or associated with the specific manufacturing process.

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## SECTION 13. Disposal considerations

Consult local authorities before disposing of waste material. Dispose, recycle or re-use waste material according to local and national regulations.

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## SECTION 14. Transport information

There are no special transport requirements

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## SECTION 15. Regulatory information

Government regulations: Not classified as a dangerous substance under EU directive 88/379/EEC

EEC Labelling: Not required to be labelled under directives 88/379/EEC, 67/548/EEC, annex 1, and 97/69/EC.

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## SECTION 16. Other information

The information given is based on our present knowledge. New information will be given if and when it becomes available. This safety data sheet conforms to EU directive 91/155/EEC, as amended 93/112/EC.

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