
Technical Insulation

Passive Fire Protection
Great Britain & Ireland

K-Stop® Flamestop Barrier Plus

Safety Data Sheet

Although the REACH Regulation does not require a Safety Data Sheet (SDS) to be provided for this product because it is not classified as hazardous, this SDS has been prepared to reflect the requirements as set out in Annex II of Regulation (EU) 2020 / 878, amending REACH Regulation (EC) No. 1907 / 2006.

1 Identification of the Substance / Mixture and Company

1.1 Product Identifier

Kingspan K-Stop® Flamestop Barrier Plus.

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Thermal protection, resin reinforcement, coating substrate.

1.3 Details of the Supplier of the Safety Data Sheet

Company Name: Kingspan Technical Insulation Ltd
Company Address: Harvey Road, Burnt Mills Industrial Estate, Basildon, SS13 1QJ, UK.
Tel: +44 (0) 1457 890400
Email: sales.pfp@kingspan.com

1.4 Emergency Telephone Number

Telephone: +44 (0) 1524 388 898

2 Hazards Identification

2.1 Classification of the Substance or Mixture

Continuous filament glass fibres are not classified as hazardous according to Regulation (EC) No 1272 / 2008 on classification, labelling and packaging of substances and mixtures (CLP), as amended.

2.2 Label Elements

This product has no label elements.

2.3 Other Hazards

Physical / Chemical Hazards: During processing, glass fibres may become airborne, which can cause mild skin irritation and respiratory irritation.

Health Hazards: If dust is generated, it could cause minor mechanical irritation to the respiratory tract and may cause temporary irritation or rash on skin. May also cause temporary irritation or inflammation on eye contact. When heated, the vapour fumes given off may cause respiratory tract irritation.

Environmental Hazards: No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex III.



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3 Composition

3.1 Substance Information

Not applicable.

3.2 Mixtures

Substance	Chemical Abstracts Service number	REACH registration number	Classification, Labelling and Packaging Regulation (EC) No. 1272 / 2008)	Content (% weight)
Oxides of silicon, aluminium, calcium, boron magnesium fused in an amorphous, vitreous state	65997-17-3		Not classified	98
Surface sizing (complex mixture)	Not applicable		Not classified	2.5
Surface binder (polyvinyl acetate)	Not available		Not classified	0.5

4 First Aid Measures

4.1 Description of First Aid Measures

- General:** In all cases of doubt or when symptoms persist, seek medical attention.
- Inhalation:** Remove to fresh air, drink water to clear throat and blow nose to evacuate fibres.
- Skin:** Wash skin thoroughly with soap and water.
- Eye:** Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes holding eyelids apart, and seek medical advice.
- Ingestion:** Ingestion is not a likely route of exposure. However, if accidentally ingested, rinse mouth to help remove dust or fibres. Fibres may be harmful if swallowed and enter airway. Seek medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No specific symptoms expected from the product itself. However, during processing, dusts and / or fibres may be generated that can cause mild skin irritation and respiratory irritation. Mechanical eye irritation may also occur. When heated, the vapour fumes given off may cause respiratory tract irritation.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

The need to have special means for providing specific and immediate medical treatment available in the workplace is not expected.

5 Fire-Fighting Measures

5.1 Extinguishing Media

Recommended: Water, dry chemical, CO₂.

5.2 Special Hazards Arising from the Substance or Mixture

None known.

5.3 Advice for Fire-Fighters

Use standard body and respiratory protection for fire fighting.

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Release of this product is not expected to pose risk under normal circumstances.

6.2 Environmental Precautions

Do not allow to enter drains, waterways, sewers, basements or confined areas. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes, contact the relevant Environment Agency.

6.3 Methods and Materials for Containment and Cleaning Up

Vacuum cleaner or dampen with water spray prior to sweeping up.

6.4 Reference to Other Sections

For personal protection equipment, see section 8. For waste disposal, see section 13.

7 Handling and Storage

7.1 Precautions for Safe Handling

Minimise airborne dust. Wear an approved mask or respirator if dust concentration exceeds local control limits or dust concentration is not known.

7.2 Conditions for Safe Storage, Including any Incompatibilities

No special requirements.

7.3 Specific End Uses

See section 1.

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8 Exposure Controls / Personal Protection

8.1 Control Parameters

Substance	Occupational Exposure Limits		Notations
	8 hr LTEL (1) ppm mgm ⁻³	15 min STEL (2) ppm mgm ⁻³	
Glass fibre (E type)	5 2.4 10		Total inhalable dust Total respirable dust ACGIH TLV

(1) Long-term exposure limit - 8 hour time weighted average.

(2) Short-term exposure limit - 15 mins time weighted average.

(S) Occupational Exposure Standard (OES).

(M) Maximum Exposure Limit (MEL).

8.2 Exposure Controls

Engineering measures:	Presence of dust-handling systems is recommended to minimize dust generation and accumulation.
Respiratory equipment:	Appropriate respiratory protection if necessary.
Skin & hand protection:	Wear suitable long sleeved clothing and sensitive individuals may need to wear gloves.
Eye protection:	Sensitive individuals may need to wear goggles.
Personal protection:	Personal protective equipment is recommended, in particular if material is hot, to avoid thermal burns and irritation from fumes.
Environmental controls:	Protect the environment by applying appropriate control measures to prevent or limit emissions.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical state:	Woven fabric.
Odour:	Odourless.
Colour:	White.
Flash point:	Not applicable.
Specific gravity:	2.54.
Melting point / melting range:	800°C (1472°F).

9.2 Other Information

No further chemical or physical properties to report.

10 Stability and Reactivity

10.1 Reactivity

No data available.

10.2 Chemical Stability

The product is stable.

10.3 Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to Avoid

No hazardous reactions when used as directed.

10.5 Incompatible Materials

Basic phosphates, alkalies, hydrofluoric acid.

10.6 Hazardous Decomposition Products

Small amounts of oxides of carbon may evolve on heating above 400°C.

11 Toxicological Information

11.1 Information on Toxicological Effects

- Ingestion: May be harmful if swallowed and enters airways.
- Skin: Prolonged contact may cause slight skin irritation with local redness.
- Eye: Mechanical irritant to eyes.
- Sensitisation: Pre-existing upper respiratory and lung diseases may be aggravated.
- Inhalation: Dusts and / or fibres may be generated that can cause respiratory irritation. When heated, the vapour fumes given off may cause respiratory tract irritation.

11.2 Information on Other Hazards

No additional information is available.

12 Ecological Information

- 12.1 Ecotoxicity
Not regarded as dangerous for the environment.
- 12.2 Persistence and Degradability
Glass fabrics are not readily biodegradable.
- 12.3 Bio-accumulative Potential
Not known.
- 12.4 Mobility in Soil
Not known.
- 12.5 Results of PBT and vPvB assessment
Not known.
- 12.6 Endocrine Disrupting Properties
None known.
- 12.7 Other Adverse Effects
None known.

13 Disposal Considerations

- 13.1 Waste Treatment Methods
Dispose as solid waste according to local regulations.

14 Transport Information

- No special requirements.
- 14.1 UN Number
Not applicable.
- 14.2 UN Proper shipping Name
Not applicable.
- 14.3 Transport Hazard Classes
Not applicable.
- 14.4 Packing Group
Not applicable.
- 14.5 Environmental Hazards
Not classed as marine pollutant.
- 14.6 Special Precautions for User
None specified.
- 14.7 Transport in Bulk According to Annex II of MARPOL73 / 78 and the IBC Code
Not applicable.

15 Regulatory Information

- 15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture
- EH40: Occupational Exposure Limits.
- 15.2 Chemical Safety Assessment
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16 Other Information

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