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## Technical Insulation

Passive Fire Protection  
Great Britain & Ireland

# K-Stop® TCB Cavity Barrier

## Safety Data Sheet

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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® TCB Cavity Barrier.
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against  
High temperature thermal, acoustic insulation.
- 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](mailto: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  
This product is 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
- |          |  |
|----------|--|
| Acute:   | Possible irritation to eyes and skin and in excessively dusty conditions, irritation to the upper respiratory tract; most people gain resistance after a transitory period. Control measures are aimed at protecting the eyes, skin and respiratory tract. |
| Chronic: | The risk of chronic respiratory or skin conditions that are aggravated by mechanical irritants may heighten if exposed to this product.  |



# K-Stop® TCB Cavity Barrier

## 3 Composition

### 3.1 Substance Information

Not applicable.

### 3.2 Mixtures

GTB basalt: Silicon Dioxide 45.9%, Aluminium Oxide 13.8%, Total Iron (calculated as Fe<sub>2</sub>O<sub>3</sub>) 12.6%, Calcium Oxide 10.7%, Magnesium Oxide 9.8%, Sodium Oxide 3.4%, Titanium Oxide 2.8%, Potassium Oxide 1.0%.

Wire mesh: Galvanised wire mesh (4005GWM only).  
Stainless steel wire mesh (4005SWM only).

Stitching wire: Galvanised steel lacing wire (4005GWM only).  
Stainless steel lacing wire (4005SWM only).

Optional: Aluminium foil and / or polypropylene tissue facing.

## 4 First Aid Measures

### 4.1 Description of First Aid Measures

Inhalation: Intake fresh air straight away. Seek medical attention if irritation persists.

Skin: Wash with a copious amount of water before application of soap. To avoid further irritation, do not rub or scratch affected areas. Seek medical attention if irritation persists.

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: If accidentally swallowed, rinse mouth with water. Do not induce vomiting. Seek medical attention.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Skin: Mechanical irritation may occur.

Eye: There may be irritation and redness.

Ingestion: In the unlikely event, the individual should be monitored for several days to ensure intestinal blockage does not occur.

Inhalation: Upper respiratory tract irritation may occur in excessively dusty conditions. Chronic respiratory conditions aggravated by mechanical irritants may heighten if exposed to this product.

### 4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

None required. If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.

## 5 Fire-Fighting Measures

### 5.1 Extinguishing Media

Use media appropriate for surrounding fire.

### 5.2 Special Hazards Arising from the Substance or Mixture

Fire resistant material (Inert non-combustible).

### 5.3 Advice for Fire-Fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6 Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective equipment, see section 8.

### 6.2 Environmental Precautions

None required.

### 6.3 Methods and Material for Containment and Cleaning Up

Land spill: Scoop up and dispose of in a suitable container as non-hazardous waste.

Water spill: The material will settle. It is non-hazardous in water.

Air release: The material will settle out of the air and can be concentrated on land to be disposed of as non-hazardous waste.

## 7 Handling and Storage

### 7.1 Precautions for Safe Handling

Good working practices will minimise the generation of and exposure to dust.

Employees should be advised to rinse the skin with ample cold water before the application of soap to prevent aggravation of the skin by fibres. Do not use rotary cutting machines because of risk of entanglement of steel stitching wires.

### 7.2 Conditions for Safe Storage, Including any Incompatibilities

■ Standard warehouse conditions apply.

### 7.3 Specific End Uses

See section 1.

# K-Stop® TCB Cavity Barrier

## 8 Exposure Controls / Personal Protection

### 8.1 Control Parameters

Substance	Occupational Exposure Limits		Notations
	8 hr LTEL (1) ppm mgm <sup>-3</sup>	15 min STEL (2) ppm mgm <sup>-3</sup>	
Machine-made mineral fibre	5 and 2 fibres / ml airborne fibre limit		WEL

Recommended limit of 1 fibre / ml air when deemed to be reasonably practicable.

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

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

WEL Workplace exposure limit.

**Engineering measures:** Where particularly dusty conditions are unavoidable, (e.g. handling insulating material in a confined space), dust should be controlled primarily by engineering control if practicable. On some occasions respiratory protection may be the only reasonably practical precaution for the respiratory system.

### 8.2 Exposure Controls

#### 8.2.1 Occupational exposure controls

No specific requirements.

#### 8.2.2 Individual protection measures, such as personal protective equipment

**Eye / face protection:** Safety glasses, goggles or a face shield may be required in some circumstances.

**Hand protection:** Use gloves conforming with BS EN 388: 2016 + A1: 2018 (Protective gloves against mechanical risks) to avoid itching.

**Skin protection:** Protective equipment for the skin should be supplied as standard. Most operators are best suited to wear loose clothing to avoid tight constriction at the neck and wrists.

**Respiratory protection:** Protective equipment may be necessary in excessively dusty operations or when exposure is above or near the Maximum Exposure Limit.

## 9 Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical state:** Spun man-made mineral fibres (MMMMF) with average diameter range 10-17 microns and with 1.25 - 1.75% silicone spray treatment as a dust suppressant / water repellent (unless specifically requested as "dry wool").

**Flash point:** Not applicable.

**Solubility in water:** Not applicable.

### 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

Stable under normal temperature and storage conditions.

### 10.3 Possibility of Hazardous Reactions

None known.

### 10.4 Conditions to Avoid

None known.

### 10.5 Incompatible Materials

None known.

### 10.6 Hazardous Decomposition Products

None known.

## 11 Toxicological Information

### 11.1 Information on Toxicological Effects

**Acute effects:** Possible irritation to eyes and skin and in excessively dusty conditions, irritation to the upper respiratory tract.

**Chronic effects:** The risk of chronic respiratory or skin conditions that are aggravated by mechanical irritants may heighten if exposed to this product. Not classed as a carcinogen.

### 11.2 Information on Other Hazards

No additional information is available.

## 12 Ecological Information

- 12.1 Ecotoxicity  
Not expected to cause harm to animals, fish or plants.
- 12.2 Persistence and Degradability  
Not known.
- 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  
Not known.
- 12.7 Other Adverse Effects  
Not known.
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## 13 Disposal Considerations

- 13.1 Waste Treatment Methods  
Do not allow to enter drains or water courses. Waste products are not hazardous and their disposal should be in accordance with local regulations.
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## 14 Transport Information

- No special precautions or restrictions involving transport or conveyance of the product are known to the manufacturer.
- 14.1 UN Number  
Not applicable.
- 14.2 UN Proper shipping Name  
Long strand basalt fibre.
- 14.3 Transport Hazard Classes  
Not applicable.
- 14.4 Packing Group  
Not applicable.
- 14.5 Environmental Hazards  
Not applicable.
- 14.6 Special Precautions for User  
None specified.
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## 15 Regulatory Information

- 15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture
- Health and Safety Executive Guidance Notes:
- HSG258: 2017 Controlling Airborne Contaminants at Work.
  - EH46: 1990 Exposure to Mineral Wools.
  - EH40/2005: 2020 Workplace exposure limits.
- Other Standards / Publications:
- BS 476-4: 1970 (Fire tests on building materials and structures - Non-combustibility test for materials).
  - ASTM C592-22a (Standard Specification for Mineral Fiber Blanket Insulation and Blanket-Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type).
  - DIN 52275-2: 1978-08 (Testing of mineral fibrous insulating materials; determination of linear dimensions and bulk density, casings).
- 15.2 Chemical Safety Assessment  
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
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## 16 Other Information

Document issue      Issue Number 1. 08 / 2025.  
number and date:

The information contained herein is based upon information available at the last issue date. The user must verify the suitability and completeness of the information in relation to the specific use of the product. This document must not be considered as a guarantee of any specific product property. Recommendations for use should be verified by the user as to the suitability and compliance with actual requirements, specifications and any applicable codes, laws and regulations. Kingspan Technical Insulation Ltd is not responsible, nor accountable, for improper use of the product by the user.

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# Contact Details

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