

Technical Insulation

Passive Fire Protection
Great Britain & Ireland

K-Stop® Shuttering Batt

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® Shuttering Batt.

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

Thermal insulation, acoustic insulation and fire protection in building construction applications.

No uses advised against for physical, health and environmental considerations as covered by REACH.

1.3 Details of the Supplier of the Safety Data Sheet

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1.4 Emergency Telephone Number

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2 Hazards Identification

2.1 Classification of the Substance or Mixture

There is no hazard statement associated with this material. K-Stop® Shuttering Batt is not classified as dangerous 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

Use of high speed cutting tools can generate dust. If in contact with constant heat > 175°C, the binder will be slowly broken down. Further information can be found in section 8.

3 Composition

3.1 Substance Information

Not applicable.

3.2 Mixtures

K-Stop® Shuttering Batt may be supplied faced with an abrasive coating or other common building materials.

Substance	EC identification number	REACH registration number	Classification, Labelling and Packaging Regulation (EC) No. 1272 / 2008	Content (% weight)
Stone wool ¹	926-099-9	01-211-947-2313-44	Not classified ²	95 - 100
Synthetic thermosetting polymer binder			Not classified	0 - 5
Mineral oil			Not classified	0 - 0.5
Silicon oil / emulsion ³			Not classified	0 - 0.5

Note 1: Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O + K₂O + CaO + MgO + BaO) content greater than 18% by weight and fulfilling one of the Note Q conditions of Regulation (EC) 1272 / 2008.

Note 2: Not classified H351 "suspected of causing cancer". Stone wool fibres are not classified carcinogenic according to the Note Q of Regulation (EC) 1272 / 2008. K-Stop® Shuttering Batt stone wool products do not contain CLP classified substances > 0.1%.

Note 3: Silicon oil / emulsion can be used in place of mineral oil in products.



4 First Aid Measures

4.1 Description of First Aid Measures

Inhalation	Remove from exposure. Rinse the throat and clear dust from airways.
Skin:	If itching occurs, remove contaminated clothing and wash skin gently with cold water and mild soap.
Eye:	Rinse abundantly with water for at least 15 minutes.
Ingestion:	Ingestion is not a likely route of exposure. However, if accidentally ingested, rinse mouth to help remove dust or fibres. Drink water to reduce irritation. Monitor for obstruction. If irritation persists, seek medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

The mechanical effect of coarse fibres in contact with throat, skin or eyes may cause temporary itching or inconvenience.

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

Recommended: water, foam, CO₂ and dry powder.

5.2 Special Hazards Arising from the Substance or Mixture

None identified. The unfaced products are non-combustible. Some packaging materials or facings may however be combustible.

5.3 Advice for Fire-Fighters

Use normal body and respiratory protection for fire.

6 Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

In case of presence of high concentrations of dust, use the same personal protective equipment as mentioned in section 8.

6.2 Environmental Precautions

None required.

6.3 Methods and Material 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

No specific measures. Preferably use a knife for cutting. If a power tool is used, provide effective dust extraction. Ensure adequate ventilation of workplace. See section 8. Avoid unnecessary handling of unwrapped product. See section 8.

7.2 Conditions for Safe Storage, Including any Incompatibilities

- Keep product dry, if possible in original packaging.
- Products are typically packed in polyethylene film, cardboard and / or on wooden pallets.

7.3 Specific End Uses

See section 1.

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	
Machine-made mineral fibre (stone wool)	5 and 2 fibres / ml airborne fibre limit		WEL

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

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

WEL Workplace exposure limit.

HSE guidance assumes that the gravimetric measure would be reached before the fibre measure. (Ref. HSE EH40).

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:	Wear goggles if working above shoulders or where there is heavy dust development. Eye protection to BS EN 166: 2002 (Personal eye protection. Specifications) is advised.
Hand protection:	Use gloves conforming with BS EN 388: 2016 + A1: 2018 (Protective gloves against mechanical risks) to avoid itching.
Skin protection:	Cover exposed skin.
Respiratory protection:	When working in unventilated areas or during operations which can generate emission of (various) dusts, wearing a disposable face mask in accordance with BS EN 149: 2001 + A1: 2009 (Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking) FFP1 is recommended.
Thermal hazards:	At high temperatures not usually found in building construction (> 175°C), the product binder will slowly decompose and trace gases will be released. When high temperature appliances are first put into service, gases should be vented to control exposure to fumes or appropriate respirators used.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Solid, grey-green.
Odour:	Odourless.
Odour threshold:	Not relevant. No odour.
pH:	Not relevant. Solid.
Melting point:	> 1000°C.
Initial boiling point and range:	Not relevant. Solid.
Flash point:	Not relevant. Non-combustible ⁴ .
Evaporation rate:	Not relevant. Solid.
Flammability:	Not relevant. Non-combustible ⁴ .
Upper / lower flammability or explosive limits:	Not relevant. Non-combustible ⁴ .
Vapour pressure:	Not relevant. Solid.
Vapour density:	Not relevant. Solid.
Relative density:	Depends on product (typ. 140-160 kg / m ³).
Solubility (ies):	Generally chemically inert and insoluble in water.
Partition coefficient n-octanol / water:	Not relevant. Insoluble in water.
Auto-ignition temperature:	Not relevant. Non-combustible ⁴ .
Decomposition temperature:	When heated to approximately 175°C for the first time, release of binder decomposition products occurs.
Viscosity:	Not relevant. Solid.
Explosive properties:	Not relevant. Non-combustible ⁴ .
Oxidising properties:	Not relevant. Non-oxidising.

Note 4: Non-combustible (reference UK and Ireland Building Regulations)

9.2 Other information

No further chemical or physical properties to report.

K-Stop® Shuttering Batt

10 Stability and Reactivity

10.1 Reactivity

Not reactive.

10.2 Chemical Stability

Stable.

10.3 Possibility of Hazardous Reactions

Not reactive.

10.4 Conditions to Avoid

None specified.

10.5 Incompatible Materials

None specified.

10.6 Hazardous Decomposition Products

When heated to approximately 175°C for the first time, release of binder decomposition products occurs. See section 8.2.2.

11 Toxicological Information

11.1 Information on Toxicological Effects

Acute toxicity: No acute toxicity.

Irritation: In the case of coarser fibres there can be mechanical effects on skin, upper respiratory system (mucous membranes) and eyes that can cause temporary, self-fading effects (e.g. itching). No chemical effects ensue.

Corrosivity: No corrosivity.

Sensitisation: No sensitisation.

Repeated dose toxicity: No repeated dose toxicity.

Carcinogenicity: None. Owing to its high bio-solubility, the fibre used in K-Stop® Shuttering Batt insulation materials is assessed as free from suspicion of possible carcinogenic effects in accordance with Regulation (EC) No 1272 / 2008 (ref. Nota Q). In October 2001, the International Agency for Research on Cancer (IARC) classified rock (stone wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans) ie not suspected of causing cancer in humans.

Mutagenicity: No mutagenicity.

Toxicity for reproduction: No toxicity for reproduction.

11.2 Information on Other Hazards

No additional information is available.

12 Ecological Information

12.1 Toxicity

None. This product is not expected to cause harm to animals or plants during normal conditions of use. Stone wool is principally made from rock material and recycled stone wool.

12.2 Persistence and Degradability

None.

12.3 Bio-accumulative Potential

None.

12.4 Mobility in Soil

None.

12.5 Results of PBT and vPvB assessment

No assessment required.

12.6 Endocrine Disrupting Properties

None.

12.7 Other adverse effects

None.

13 Disposal Considerations

13.1 Waste Treatment Methods

Disposal Operations: Arrange for disposal by a licenced waste disposal company.

Disposal of Packaging: Arrange for disposal by a licenced waste disposal company.

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14 Transport Information

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 applicable.

14.6 Special Precautions for User

None specified.

15 Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

The overall conclusion in accordance with the CLP, GHS and REACH regulations is that there are no hazardous classifications associated with K-Stop® Shuttering Batt fibres in respect to physical, health and environmental aspects.

15.2 Chemical safety assessment

No assessment required.

16 Other Information

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

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