

Technical Insulation

Passive Fire Protection
Great Britain & Ireland

K-Stop® Pressure Exerting Graphite Mastic

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® Pressure Exerting Graphite Mastic.

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

PC1: Adhesives, sealants.

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

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

Precautionary statements:

P102: Keep out of reach of children.
P302 + P350: If on skin: Gently wash with plenty of soap and water.

P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other Hazards

No data available.

3 Composition

3.1 Substance Information

Not applicable.

3.2 Mixtures

Hazardous ingredients: Phenol isopropylated phosphate (3:1) triphenyl phosphate >5%.

Substance	Chemical Abstracts Service number	EC identification number	REACH registration number	Classification, Labelling and Packaging Regulation (EC) No. 1272 / 2008)	Content (% weight)
Carbon	68937-41-7	273-066-3	01-219535109-41-0000	Repr. 2: H361f; STOT RE 2: H373; Aquatic Chronic 1: H410; Repr. 2: H361d	<2



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4 First Aid Measures

4.1 Description of First Aid Measures

General:	In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Inhalation is not an expected route of exposure due to product form, however, if exposed and experiencing symptoms, seek medical attention.
Skin:	Wash skin thoroughly with soap and water or a recognised skin cleaner. Do not use solvent or thinners. 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 if required.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Skin:	There may be mild irritation at the site of contact.
Eye:	There may be irritation and redness.
Ingestion:	There may be irritation of the throat.
Inhalation:	No data available.
Delayed / immediate effects:	No data available.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Not applicable.

5 Fire-Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media for the surrounding fire should be used.

5.2 Special Hazards Arising from the Substance or Mixture

In combustion, the product emits toxic fumes.

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

Avoid skin and eye contact. Wear personal protective equipment, see section 8.

6.2 Environmental Precautions

Do not allow to enter drains or water courses.

6.3 Methods and Material for Containment and Cleaning Up

Absorb into dry earth or sand. Collect mechanically for disposal (see section 13).

7 Handling and Storage

7.1 Precautions for Safe Handling

Ensure there is sufficient ventilation of the area.

7.2 Conditions for Safe Storage, Including any Incompatibilities

- Store in a cool, well ventilated area.
- Must only be kept in original packaging.

7.3 Specific End Uses

See section 1.

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8 Exposure Controls / Personal Protection

8.1 Control Parameters

Workplace exposure limits: No data available.
Hazardous ingredients: Phenol isopropylated phosphate (3:1) triphenyl phosphate >5%.

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	0.145 mg/m ³	Workers	Systemic
DNEL	Inhalation	700 mg/m ³	Workers	Systemic
DNEL	Dermal	16 mg/cm ²	Workers	Local
DNEL	Dermal (repeated dose)	0.417 mg/kg	Workers	Systemic
DNEL	Dermal	2000 mg/kg	Workers	Systemic
DNEL	Inhalation (repeated dose)	0.07 mg/m ³	General Population	Systemic
DNEL	Inhalation	350 mg/m ³	General Population	Systemic
DNEL	Oral (repeated dose)	0.04 mg/kg	General Population	Systemic
DNEL	Dermal	8 mg/cm ²	General Population	Local
DNEL	Dermal (repeated dose)	0.208 mg/kg	General Population	Systemic
DNEL	Dermal	100 mg/kg	General Population	Systemic
PNEC	Fresh water	0.00031 mg/l	-	-
PNEC	Marine water	0.000031 mg/l	-	-
PNEC	Fresh water sediments	0.185 mg/kg	-	-
PNEC	Marine water sediments	0.0185 mg/kg	-	-
PNEC	Soil (agricultural)	2.5 mg/kg	-	-
PNEC	Micro-organisms in sewage treatment	100 mg/l	-	-

8.2 Exposure Controls

Engineering measures: Not applicable.
Respiratory protection: Respiratory protection not required.
Skin and hand protection: Gloves are not normally required.
Eye protection: Safety glasses
Environmental: No special requirement.

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

State: Paste.
Colour: Dark grey.
Odour: Characteristic odour.
Evaporation rate: Not applicable.
Oxidising: Not applicable.
Solubility in water: Soluble
Viscosity: Highly viscous.
Boiling point / range °C: >100.
Melting point / range °C: Not applicable.
Flammability limits %: lower: Not applicable.
Flammability limits %: upper: Not applicable
Flash point °C: Not applicable.
Autoflammability °C: Not applicable.
Vapour pressure: Not applicable.
Relative density: 1.5.
pH: 8.5.
VOC g/l: 33.

9.2 Other Information

No further chemical or physical properties to report.

10 Stability and Reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical Stability

Stable under normal temperature and storage conditions.

10.3 Possibility of Hazardous Reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed in section 10.5.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

Not applicable.

10.6 Hazardous Decomposition Products

In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

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11 Toxicological Information

11.1 Information on Toxicological Effects

Hazardous ingredients: Phenol isopropylated phosphate (3:1) triphenyl phosphate >5%.

Dermal	RBT	LD50	10000 mg/kg
Oral	RAT	LD50	5000 mg/kg
Vapours	RAT	4H LC50	200 mg/l

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion / irritation	-	No hazard: calculated
Serious eye damage / irritation	-	No hazard: calculated
Respiratory / skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Skin:	There may be mild irritation at the site of contact.
Eye:	There may be irritation and redness.
Ingestion:	There may be irritation of the throat.
Inhalation:	No data available.
Delayed / immediate effects:	No data available.
Other information:	Not applicable.

11.2 Information on Other Hazards

No additional information is available.

12 Ecological Information

12.1 Ecotoxicity

Hazardous ingredients: Phenol isopropylated phosphate (3:1) triphenyl phosphate >5%.

Daphnia magna	48H EC50	2.44 mg/l
Rainbow trout (<i>oncorhynchus mykiss</i>)	96H LC50	1.60 mg/l

12.2 Persistence and Degradability

Biodegradable.

12.3 Bio-accumulative Potential

The product is not bio-accumulating.

12.4 Mobility in Soil

No data available.

12.5 Results of PBT and vPvB assessment

This product is not classified as PBT / vPvB.

12.6 Endocrine Disrupting Properties

No data available.

12.7 Other Adverse Effects

Negligible ecotoxicity.

13 Disposal Considerations

13.1 Waste Treatment Methods

Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company.
Recovery operations:	Not applicable.
Waste code number:	08 04 10.
Disposal of packaging:	Dispose of as normal industrial waste.

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

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14 Transport Information

This product does not require a classification for transport.

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

No data available.

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

Not applicable.

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

Hazard statements: H361d: Suspected of damaging the unborn child.

H361f: Suspected of damaging fertility.

H373: May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

H410: Very toxic to aquatic life with long lasting effects.

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