



# Kooltherm™

## Product Safety Information Sheet

HVAC & Building Services Insulation



## Product Safety Information Sheet

# Kooltherm™

Revision 3 - November 2014

### 1. Identification of Product and Company

1.1 Identification  
Kooltherm™

1.2 Company

**Kingspan Industrial Insulation Ltd**

Glossop Brook Rd,  
Glossop  
Derbyshire SK13 8GP  
Tel: +44 (0) 1457 890 400  
Fax: +44 (0) 1457 852 319

**Kingspan Insulation N.V.**

Visbeekstraat 24  
B - 2300 Turnhout, Belgium  
Tel: +32 14 44 25 25  
Fax: +32 14 42 72 21

### 3. Composition

Facings: Aluminium/LDPE laminate with glass scrim reinforcement.

Core: CFC/HCFC-free rigid phenolic

### 2. Hazards Identification

Not classified as a hazardous material when handling or under normal use.

Inhalation: Under extreme dusty conditions respiratory irritation can occur.

Skin: Prolonged exposure can cause irritation.

Eyes: Dust in the eyes can cause irritation.

Ingestion: May cause irritation of the mouth and digestive tract.

### 4. First-Aid Measures

Inhalation: Remove the person to fresh air. If distress is caused by over exposure to dust levels, medical attention is required.

Skin: In the event that irritation occurs wash carefully using soap or a proprietary cleanser to remove.

Eyes: Dust particles should be removed by flushing with clean water.

Ingestion: Seek medical attention if discomfort persists.

### 5. Fire-Fighting Measures

It is prudent to take precautions against ignition, fire spread and smoke hazard.

In fire situations beware of low visibility due to soot and avoid smoke inhalation. Smoke contains carbon monoxide and other gases which may be harmful to health if inhaled. If smoke or fumes are inhaled immediately seek fresh air and medical assistance.

Provide fire-extinguishing equipment at both storage and installation sites:

Suitable media: Waterspray (fog), Foam, CO<sub>2</sub> or Dry Chemical.

Un-suitable media: Not applicable.

Fire fighters should use self contained breathing apparatus and saturate burning foam with water from a spray nozzle. Dust is classified as weakly explosive (St. Class 1).

### 6. Accidental Release Measures

Not applicable.

### 7. Handling and Storage

(i) Store in original packing in a location free from any ignition hazard. Such as open flames, cutting and welding torches, high surface temperature electric heaters and other forms of direct radiant heat.

(ii) Keep product protected from the elements and do not stack boxes more than 2.5 metres in height. Ensure stability of stack and provide adequate aisle space for access between stacks.

### 8. Exposure Controls / Personal Protection

Inhalation: Dust is not normally a hazard unless mechanical cutting is used. Where dust is generated in confined spaces it is recommended that extraction be used. As with all cutting procedures it is recommended that eye protection and disposable dust mask be worn. It is recommended when non-mechanical cutting is carried out that the product is cut with a trimming knife to minimise the generation of dust.

Hands: It is recommended that gloves be worn when handling the product.

Eyes: As with all cutting procedures it is recommended that eye protection be worn. When installing product in very bright or sunny weather it is advisable to wear UV protective sunglasses or goggles.

Skin: Glass fibre particles can be irritating to the skin and direct skin contact should be avoided. Use suitable protective clothing (e.g. long-sleeved garments) when handling.

Other: The product is non-load bearing in spanning applications. Access and work should not be carried out on un-supported product.

# Product Safety Information Sheet

## 9. Physical and Chemical Properties

|                         |   |
|-------------------------|---|
| Appearance:             | Grey, green, cream or red foam with foil finish |
| Odour:                  | Negligible                                      |
| Melting point:          | Not applicable                                  |
| Flash point:            | Not available - non flammable                   |
| Density (core):         | 35-40 kg/m <sup>3</sup>                         |
| Solubility in water:    | Insoluble                                       |
| Solubility in organics: | Some liquids might cause swelling               |
| Other data:             | None  |

## 10. Stability and Reactivity

Stable and un-reactive during normal use (see section 7).

## 11. Toxicological Information

No information available at this time.

## 12. Ecological Information

The product is inert and stable in water and soil.

## 13. Disposal Considerations

Waste insulation is non-hazardous and should be disposed of regularly in a designated location without grinding or powdering in accordance with local requirements and laws. Any phenolic product dust created in the installation process is regarded as nuisance dust only because of its inert nature. It is important that the accumulation of waste insulation is avoided to prevent wind dispersal.

Ensure polythene wrapping/package is kept away from children. Observe usual safety precautions with polythene bags.

## 14. Transport Information

Read this section in conjunction with section 7. Ensure security of load and product and packaging is protected from the elements. Product is supplied in lightweight boxes. Should products be supplied palletised it is recommended that mechanical lifting equipment is used in order to avoid serious physical injury.

## 15. Regulatory Information

None currently known to apply.

## 16. Other Information

The information in this data-sheet is offered in good faith and is based on our current knowledge, we thereby withhold the right to update and amend this document as necessary. The information is intended to describe the product from a user safety viewpoint in accordance with the European Union Commission Directive 2001/58/EC.

The information should not be taken as guarantee of specific performance and users should make their own assessment and make all applicable personnel aware accordingly.

All chemical products can affect persons with a sensitive or allergic disposition, persons with such sensitivity should seek medical advice before handling the product.

The wearing of appropriate safety equipment is strongly recommended as a precaution and the product should only be used in its design application strictly in accordance with the directions given.

Users should contact our technical services department to check that the information given is current and that new applicable safety legislation has not been introduced since the last update.



UK, Ireland & Gibraltar

**Kingspan Industrial Insulation Ltd**

Pembridge, Leominster, Herefordshire, HR6 9LA, United Kingdom  
General Enquiries Tel: +44 (0) 1544 388 601  
Technical Advice Tel: 0808 168 7363 or +44 (0) 1457 890534

Australasia, Oceania and SE Asia as far west and north as, and including, Myanmar, China, Mongolia, Japan

**Kingspan Insulation Pty Ltd**

266 Beringarra Ave, Malaga, WA 6090, Australia  
Tel: 1300 247 235 (for calls within Australia only)  
Tel: +61 8 6240 6200 (for calls outside of Australia)

The rest of Europe (excluding Turkey, Malta & Cyprus) and Russia

**Kingspan Insulation N.V.**

Visbeekstraat 24  
B - 2300 Turnhout, Belgium  
Tel: +32 14 44 25 25

Everywhere else excluding Canada, USA, Mexico, Bermuda, the Cayman Islands, Puerto Rico & St Pierre and Miquelon

**PAL Middle East PIR LLC**

P.O. Box 113826, Dubai Investment Park 2, Dubai, U.A.E.  
Tel: +971 4 889 1000



[www.kingspaninsulation.com](http://www.kingspaninsulation.com)

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Kingspan reserves the right to amend product specifications without prior notice. All information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Kingspan offers a free Technical Advisory Service the advice of which should be sought for uses of Kingspan products that are not specifically described herein. Please check that your copy of the literature is current by contacting the Marketing Department.

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