

# Product Safety Information

## KOOLTHERM<sup>®</sup> FM Pipe Insulation - Kingspan Insulation Continental Europe

In the current REACH regulations, phenolic foam insulation products are considered “articles” and are exempt from the requirements of Article 57 and 59(1) of REACH Regulation (EC) No 1907/2006. These products are not classified as “hazardous products” according to any current legislation.

The information below follows the SDS format as described in Annex 2 of the Regulation. The sole purpose of this information sheet is to provide additional information.

### 1. Identification of Products and Company

#### Products

Kooltherm<sup>®</sup> FM Pipe Insulation

#### Company

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### 2. Hazards identification

When used as intended, this product is classified as non-hazardous and there are no known toxic influences.

When the material is cut, long-term exposure to the dust may lead to irritation of the skin, eyes and lungs. Eye and respiratory protection is always recommended.

In case of large/industrial scale cutting of the material, danger of electrostatic build-up exists and should be evaluated.

The product is not classified as ecotoxic.

### 3. Composition

Core: Rigid thermoset phenolic insulation.  
 Alternative Facings: Multilayer aluminium/ LDPE sheet with fibre glass reinforcement.

### 4. First aid measures

Inhalation: Dust is non-hazardous.  
 Take the person to fresh air.  
 Skin: Non-sensitising.  
 In the event that irritation occurs wash carefully using soap and water or a proprietary cleanser to remove.  
 Eyes: Dust particles should be removed by flushing with clean water.  
 Ingestion: Drink plenty of water and rinse.  
 Other: Seek medical attention if discomfort persists.

### 5. Firefighting measures

It is prudent to take precautions against ignition, fire spread and smoke hazard.  
 Suitable media: Water-based fire extinguishers (fog), Foam, CO<sub>2</sub> or dry chemical.  
 Unsuitable media: Not applicable.  
 Fire fighters should use self-contained breathing apparatus and saturate burning foam with water from a spray nozzle. Sawdust is classified as weakly explosive (St. Class 1)

### 6. Accidental release measures

Not applicable.

### 7. Handling and storage

- (i) Keep contamination of workplaces as low as possible (e.g. to careful handling of products and waste).  
 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. Ensure stability of stack and provide adequate aisle space for access between stacks.

### 8. Exposure controls/personal protection

**Inhalation:** Dust is non-hazardous.  
 As with all cutting procedures it is recommended that a disposable dust mask be worn. Where dust is generated through mechanical cutting in confined spaces, it is recommended that extraction be used. 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 a product combined with an aluminium sheet vapour barrier in order to avoid any cuts.

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

**Skin:** Non-sensitising.  
 When installing a product with reflective foil facings in very bright or sunny weather it is advisable to consider skin protection from UV.

**Other:** The products are non-load bearing.  
 Access and work should not be carried out on un-supported boards.  
 Be extremely careful and follow all safety precautions when you saw insulation boards by hand or with a machine.

## 9. Physical and chemical properties

<b>Appearance:</b>	Beige/ grey/ pink rigid foam.
<b>Odour:</b>	Negligible.
<b>pH:</b>	Neutral under normal conditions.
<b>Melting point:</b>	Not applicable.
<b>Flash point:</b>	Not applicable.
<b>Insulation density:</b>	Typically 30 - 120 kg/m <sup>3</sup> .
<b>Solubility in water:</b>	Insoluble.
<b>Other data:</b>	None.

## 10. Stability and reactivity

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

## 11. Toxicological information

No known toxic effects when used normally and as intended.

## 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 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. Observe usual safety precautions with polythene bags, wrapping and packaging.  
Clean, undamaged product may be re-used.

## 14. Transport information

Read this section in conjunction with section 7.  
Ensure security of load and where necessary sheeting/ roping should be used.  
It is recommended that mechanical lifting equipment is used when moving bulk quantities of product in order to avoid serious physical injury.

## 15. Regulatory information

Properties according to EC directives:

EU classification:	Not classified as hazardous according to EU criteria
EU symbol:	N/A
EU risk phrases:	N/A
EU precautionary statements:	N/A

Labelling: Kooltherm<sup>®</sup> is not a hazardous product according to EU standards.

The product is not subject to labelling according to community directives.

National regulations: Kooltherm<sup>®</sup> is not a hazardous product. There is no special danger upon contact with water.

## 16. Other information

The information contained here 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 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.

Users should visit the Kingspan Insulation website or contact the Kingspan Insulation Technical Service Department to ensure the information is current.