

# MATERIAL SAFETY DATA SHEET

PRODUCT: **Kooltherm K12**

Revision 3 - 06/11/2006



## 1. Identification of the substance/preparation and of the company/undertaking.

### 1.1 Identification

Kingspan Kooltherm K12 Framing Board

### 1.2 Company

Kingspan Insulation Limited  
Pembridge  
Leominster  
Herefordshire, HR6 9LA  
Tel: +44 (0) 870 850 8555  
Fax: +44 (0) 870 850 8666

## 2. Composition/information on ingredients.

**Facings:** Foil / Foil

**Core:** CFC/HCFC-free rigid phenolic

## 3. Hazards identification.

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

## 4. First-aid measures.

**Inhalation:** Remove the person to fresh air.

**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 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:** Due to the products reflective surfaces when installing product in very bright or sunny weather it is advisable that suitable UV block sun-cream is applied.

**Other:** The product is non-load bearing in spanning applications. Access and work should not be carried out on un-supported boards. The reflective facing used on this product can be slippery underfoot when wet. Therefore, it is recommended that any excess material should be contained to avoid a slip hazard.

## 9. Physical and chemical properties.

**Appearance:** Grey, Cream or Red foam with foil finish to top and bottom.

**Odour:** Negligible

**pH:** Neutral under normal conditions

**Melting point:** Not applicable

**Flash point:** Not available - non flammable

**Density:** 45 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.

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## 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 the requirements of the Environment Agency, Local Authorities and the Environmental Protection Act 1991. 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 where necessary sheeting/roping should be used. It is recommended that mechanical lifting equipment is provided and used when moving bulk quantities of product 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 the Kingspan Insulation 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.