



Kooltherm® KoolDuct®

Safety Data Sheet

1. Identification of the Material and Supplier

1.1 Product identifier

Product name:

Kingspan Kooltherm / KoolDuct Range

Synonyms:

Kooltherm® K3 Floorboard
 Kooltherm® K5 External Wall Board
 Kooltherm® K8 Cavity Board
 Kooltherm® K10 Soffit Board
 Kooltherm® K10 U Soffit Board
 Kooltherm® K10 G2 Soffit Board
 Kooltherm® K10 G2W White Soffit Board
 Kooltherm® K10 PLUS Soffit Board
 Kooltherm® K12 Framing Board
 Kooltherm® K17 Insulated Plasterboard
 Kooltherm® K20 Concrete Sandwich Board
 KoolDuct®
 Kooltherm® Duct Insulation Board

1.2 Uses and uses advised against

Uses:

Insulation, Plaster Board.

1.3 Details of the supplier of the product

Supplier name: Kingspan Insulation Pty Ltd.

Address: 25 Oherns Road, Somerton,
VIC, 3062, Australia.

Telephone: 1300 247 235

Fax: 1300 247 329

Email: technical.au@kingspan.com

Website: www.kingspaninsulation.com.au

1.4 Emergency telephone numbers

Emergency: 1300 247 235

2. Hazards Identification

2.1 Classification of the substance or mixture
 Not classified as hazardous according to Safe Work Australia criteria.

2.2 GHS Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

2.3 Other hazards

No information provided.

3. Composition/Information on Ingredients

3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
Rigid Thermoset Phenolic Insulation	-	-	>60%
Additive(s)	-	-	Remainder

Ingredient Notes:

Alternate facings: Reinforced foil complex (K10, K10 U, K10 G2, K10 G2W, K17), KoolDuct, Kooltherm Duct Insulation

Composite foil (K8, K12)

Glass tissue (K3, K5, K10, K10 U, K10 G2, K10 G2W, K10 PLUS, K17, K20), Kooltherm Duct Insulation

Plasterboard (K17)

Compressed fibre cement board (K10 PLUS)

4. First Aid Measures

4.1 Description of first aid measures

Eye	Exposure is considered unlikely unless solid is cut or damaged and dusts generated. Dust particles should be removed by flushing with clean water.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	When glass facing is handled, skin irritation may occur. If an adverse reaction due to skin contact occurs, remove contaminated clothing and flush skin and hair with running water.
Ingestion	For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.
First aid facilities	Normal washroom facilities should be available.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing media

Water fog or foam. Prevent contamination of drains and waterways.

5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve carbon oxides and hydrocarbons when heated to decomposition. This product may present a dust explosion hazard. Dust explosion class: St 1 (ie. weak explosion).

5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code

None allocated.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

If spilt, collect and reuse where possible.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

7. Handling and Storage

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from moisture, incompatible substances and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

7.3 Specific end uses

No information provided.

8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure standards

No exposure standards have been entered for this product.

Biological limits

No biological limit values have been entered for this product.

8.2 Exposure controls

Engineering controls

Avoid inhalation. Use in well ventilated areas. If sanding, drilling or cutting, use appropriate local extraction ventilation.

PPE

Eye / Face If cutting or sanding with potential for dust generation, wear dust-proof goggles. When installing a product with reflective foil facings in very bright or sunny weather it is advisable to wear UV protective sunglasses or goggles.

Hands	Not required under normal conditions of use.
Body	Not required under normal conditions of use.
Respiratory	If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.

- 10.4 Conditions to avoid
No information provided.
- 10.5 Incompatible materials
Compatible with most commonly used materials.
- 10.6 Hazardous decomposition products
May evolve carbon oxides and hydrocarbons when heated to decomposition.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Peach/Yellow/Brown foam solid
Odour	Slight odour
Flammability	Non flammable
Flash point	Not relevant
Boiling point	Not Available
Melting point	Not Available
Evaporation rate	Not Available
pH	Neutral
Vapour density	Not Available
Relative density	Not Available
Solubility (water)	Insoluble
Vapour pressure	Not Available
Upper explosion limit	Not relevant
Lower explosion limit	Not relevant
Partition coefficient	Not Available
Autoignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	Not Available
Explosive properties	Not Available
Oxidising properties	Non oxidising
Odour threshold	Not Available

9.2 Other information

% Volatiles	0 %
Density	30 to 60 kg/m ³

10. Stability and Reactivity

- 10.1 Reactivity
Carefully review all information provided in sections 10.2 to 10.6.
- 10.2 Chemical stability
No information provided.
- 10.3 Possibility of hazardous reactions
No information provided.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity	This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health effects are not anticipated.
Skin	Not classified as a skin irritant. Prolonged or repeated contact with dusts may be abrasive and mildly irritating to the skin.
Eye	Not classified as an eye irritant. Contact may result in mechanical irritation.
Sensitisation	Not classified as causing skin or respiratory sensitisation.
Mutagenicity	Insufficient data available to classify as a mutagen.
Carcinogenicity	Insufficient data available to classify as a carcinogen.
Reproductive	Insufficient data available to classify as a reproductive toxin.
STOT - single exposure	Over exposure may result in airway irritation of the nose and throat, coughing, and shortness of breath.
STOT - repeated exposure	Not classified as causing organ damage from repeated exposure.
Aspiration	This product does not present an aspiration hazard.

12. Ecological Information

- 12.1 Toxicity
The products are inert and stable in water and soil.
- 12.2 Persistence and degradability
No information provided.
- 12.3 Bioaccumulative potential
No information provided.
- 12.4 Mobility in soil
No information provided.
- 12.5 Other adverse effects
No information provided.

13. Disposal Considerations

13.1 Waste treatment methods

Waste disposal Dispose of to landfill. If product is damaged or dusts are likely, place in a sealed, appropriately labelled plastic bag, then dispose to landfill.

Legislation Dispose of in accordance with relevant local legislation.

14. Transport Information

Not classified as a dangerous good by the criteria of the ADG CODE, IMDG or IATA

	Land Transport (ADG)	Sea Transport (IMDG/IMO)	Air Transport (IATA/ICAO)
14.1 UN Number	None allocated.	None allocated.	None allocated.
14.2 Proper Shipping Name	None allocated.	None allocated.	None allocated.
14.3 Transport hazard class	None allocated.	None allocated.	None allocated.
14.4 Packing Group	None allocated.	None allocated.	None allocated.
14.5 Environmental hazards	Not a Marine Pollutant.		
14.6 Special precautions for user	Hazchem code None allocated.		

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

Inventory listings AUSTRALIA: AIIIC (Australian Inventory of Industrial Chemicals) All components are listed on AIIIC, or are exempt.

16. Other Information

Additional information

Respirators:

In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

Personal Protective Equipment Guidelines:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Health Effects from Exposure:

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit

STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

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