

Product Safety Information

Kingspan PalDuct Phenolic Panel

1 Identification of Products and Company

1.1 Product Identifier

Product Name: Kingspan PalDuct Phenolic panel.
Product Code: ART/PH/115.

1.2 Recommended Use & Restrictions on Use

Recommended Use: Fabrication into pre-insulated HVAC ductwork required for an Air Conditioning application
Restrictions on Use: Not for use in fire rated ductwork applications. Not for consumption.

1.3 Details of the Manufacturer & Supplier of the SDS

Company

Kingspan Insulation LLC
P.O. Box 113826, Dubai Investment Park 2,
Dubai,
U.A.E.
Tel: +971 (0) 4 889 1000
Fax: +971 (0) 4 883 8515
Email: info@kingspaninsulation.ae
Website: www.kingspaninsulation.com

2 Hazards Identification

2.1 Hazard Classification of the Chemical

HAZCOM 2012: Not applicable.
WHMIS: Not applicable.
Hazard Symbol: Not applicable.
Signal Word: Not applicable.
Hazard Statement: Not applicable.
Precaution Statement: Not applicable.

2.2 General Hazard Overview Classified

Health:

Eye Contact : May cause minor eye irritation from dust originating from fabrication
Skin Contact : No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of skin absorption.
Inhalation : No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of inhalation exposure.
Ingestion: No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of ingestion. Product is not for consumption.

3 First-Aid Measures

3.1 Description of First Aid Measure

Inhalation:	Remove to fresh air. Place into a comfortable breathing position. Blow nose to clear nasal passage. Drink water to clear throat. Seek medical attention if breathing difficulty persists or worsens.
Skin:	Wash with soap and water. Seek medical attention if skin irritation persists or worsens.
Eyes:	Flush with water for 15 – 20 minutes. Remove contact lenses. Do not rub or wipe eyes. Seek medical attention if ocular irritation persists or worsens.
Ingestion:	Wash mouth with clean water. Do not induce vomiting. Seek medical attention if irritation of the gastrointestinal tract persists or worsens.

3.2 Most Important Symptoms & Effects, both Acute & Delayed

Inhalation:	Exposure to residual blowing agent gases that have been allowed to accumulate to unacceptable concentrations, in a confined and / or unventilated space, may cause drowsiness, dizziness, nausea or headaches. Inhaled dust may cause temporary irritation of the upper respiratory tract. Continued inhalation of high concentrations of dust particles may, over a prolonged period of time, decrease pulmonary function, increasing vulnerability to respiratory disease.
Skin:	Rough cut product and dust may have an abrasive effect. Symptoms may include dryness, roughness and / or redness.
Eyes:	Nuisance dust may cause irritation. Symptoms may include excess blinking, excess tear production and / or redness of the conjunctiva.
Ingestion:	Product and nuisance dust may cause gastrointestinal discomfort. Symptoms may include nausea, cramps or vomiting.

4 Fire-Fighting Measures

4.1 Extinguishing

Media Suitable Media: Water spray / fog, foam, carbon dioxide (CO₂) or dry chemical powder.

Unsuitable Media: Not available.

4.2 Special Hazards arising from the Product

Products of Combustion: Burning of the product may produce irritating and potentially toxic fumes and gases including, but not limited to, carbon dioxide (CO₂) and carbon monoxide (CO).

4.3 Special Protective Equipment & Precautions for Firefighters

Equipment: Firefighters should wear full protective clothing including self-contained breathing apparatus.

Precautions: Keep upwind of fire. If using water spray extinguishing media, burning product should be saturated with water using a spray nozzle.

5 Accidental Release Measures

5.1 Personal Precautions, Protective Equipment & Emergency Procedures

- Personal Protection:** Avoid inhaling the dust during fabrication. See Section 8.
Protective Equipment: Not available.
Environment Precaution: This product does not present any particular risk for the environment.
Other: Provide adequate ventilation when fabricating. Remove dust promptly.

6 Handling and Storage

6.1 Precautions for Safe Handling & Conditions for Safe Storage

- Handling** Do not attempt, as an individual, to lift, push, pull or carry multiple units of the product concurrently without assistance. Do not stand, or otherwise support one's weight on the product unless it is fully supported by a load bearing surface. Do not walk or stand on the product, or on pieces of, in wet conditions. Do not smoke. Use personal protection (PPE) described in Section 8.
- Storage:** When stored outdoors, stalk at least 4" above ground level and cover with tarpaulins or other covering. Protect from moisture / direct sunlight.

7 Exposure Controls / Personal Protection

7.1 Exposure Controls

- Engineering Controls:** Provide appropriate ventilation and dust extraction and collection facilities in locations where fabrication procedures are carried out. Give clear warning, through adequate labeling or similar, that the product is non-load bearing. Ensure easy access to product literature and instructions.

7.3 Individual Protection Measures – Personal Protective Equipment (PPE)

- Respiratory Protection:** If required, wear dust mask where extraction facilities are inadequate and suitable respiratory equipment where ventilation facilities are inadequate. Use NIOSH / OSHA approved respiratory equipment.
- Skin Protection:** Wear non-open shoes, gloves, long sleeved, long legged and loose fitting clothes. Apply UV sun block cream to exposed skin in bright or sunny weather conditions.
- Eye Protection:** Wear sunglasses or goggles with side shields and, in bright or sunny weather conditions, with UV protection.

8 Physical and Chemical Properties

8.1 Information on Basic Physical & Chemical Properties

- Appearance:** CFC/HCFC-free rigid thermoset phenolic
Colour: Pink
Physical State: Solid.
Odor: Negligible.
Odor Threshold: Not available.
ph: Neutral under conditions of normal use.
Melting Point: Not applicable.
Freezing Point: Not applicable.
Initial Boiling Point: Not applicable.
Boiling Range: Not applicable.
Flash Point: Not applicable.
Evaporation Rate: Not applicable.

Flammability:	Not applicable.
Lower Flammability:	Not applicable.
Upper Flammability:	Not applicable.
Explosive Limit:	Not applicable.
Vapor Pressure:	Not applicable.
Vapor Density:	Not applicable.
Specific Gravity:	0.01
Solubility:	Insoluble.
Partition Co-efficient:	Not available.
Auto-ignition Temp:	Not available.
Decomposition Temp:	Not available.
Viscosity:	Not applicable.

9 Stability and Reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under conditions of normal use.
Conditions to Avoid:	Sources of ignition.
Hazardous Decomposition Products:	Like wood and other organic materials can release toxic smoke if ignited.

10 Toxicological Information

10.1 Likely Routes of Exposure

Inhalation, ingestion, skin and eye contact.

10.2 Symptoms Related to the Physical, Chemical & Toxicological Characteristics`

Inhalation:	Exposure to residual blowing agent gases that have been allowed to accumulate to unacceptable concentrations, in a confined and / or unventilated space, may cause drowsiness, dizziness, nausea or headaches. Inhaled dust may cause temporary irritation of the upper respiratory tract. Continued inhalation of high concentrations of dust particles may, over a prolonged period of time, decrease pulmonary function, increasing vulnerability to respiratory disease.
Eyes:	Dust may cause irritation. Symptoms may include excess blinking, excess tear production and / or redness of the conjunctiva.
Ingestion:	Consumption may cause gastrointestinal discomfort. Symptoms may include nausea, cramps or vomiting.

10.3 Delayed, Immediate & Chronic Effects of Short & Long Term

Exposure Not available.

12 Ecological Information

Not determined. Adverse health effects are not expected from normal use of this product. May cause adverse effect if discharged into watercourses and not readily biodegradable.

13 Disposal Considerations

Waste Disposal Method: Dispose of waste product in a permitted waste facility. Local regulation is applicable, consult regulation authorities before disposal.

14 Transport Information

14.1 UN Number

DOT: Not regulated.
TDG: Not regulated.

14.2 UN Proper Shipping Name

DOT: Not applicable.
TDG: Not applicable.

14.3 Transport Hazard Class (ES)

DOT: Not applicable.
TDG: Not applicable.

14.4 Packing Group

DOT: Not applicable.
TDG: Not applicable.

14.5 Environmental Hazards

Not available.

14.6 Transport in Bulk According to Annex II of MARPOL 73/78 & the IBC Code

Not applicable.

14.7 Special Precautions for User

Do not handle until all safety precautions have been read and understood (see Section 7). Ensure security and stability of load. Use mechanical handling and lifting equipment when moving bulk loads.

15 Regulatory Information

Shipping Regulations: Not classified as a hazardous material by Department of Transportation and hence is not regulated.

The information supplied on this SDS is based on our current level of knowledge and on national and community regulations at the above specified date. The product must not be used for any purposes other than those specified under Section 1 without first obtaining written handling instructions. It is, at all times, the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations of the authority having jurisdiction. The information supplied on this SDS must be regarded as a description of the safety requirements relating to the product and not a guarantee of its properties.



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