



# Product Safety Information

## NILVENT<sup>®</sup>

These products are exempt from the requirements of Article 57 and 59(1) of REACH Regulation (EC) No 1907/2006. The information below follows the SDS format as described in Annex 2 of the Regulation.

### 1 Identification of Products and Company

**Products**

Kingspan nilvent<sup>®</sup>

**Company**

Kingspan Insulation Limited  
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### 2 Hazards Identification

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

N.B. Accidental thermal decomposition or melting state can produce toxic gases (tetrahydrofuran) or present a burning hazard (see section 10).

### 3 Composition

Kingspan nilvent is a monolithic film based on the following major components:

Polypropylene nonwoven  
Polyester nonwoven  
Copolymer butylenephthalate / polyalkyleneetherglycol  
Ethylene / vinyl acetate copolymer

### 4 First-Aid Measures

- Inhalation:** Under normal conditions, no specific measure to be taken.  
If exposed to gases generated by the decomposition of the material at high temperatures, move the person to fresh air and seek medical assistance if cough or other symptoms exist.
- Skin:** Under normal conditions, no specific measure to be taken.
- Eyes:** Under normal conditions, no specific measure to be taken.
- Ingestion:** Under normal conditions, no specific measure to be taken.

## 5 Fire-Fighting Measures

Special exposure hazards – None. For flammable and toxic fumes as well as skin contact with molten material see section 10.

**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 suitable protective equipment.

## 6 Accidental Release Measures

Not applicable.

## 7 Handling and Storage

Normal requirements. Use gloves to prevent cuts during cutting.

## 8 Exposure Controls / Personal Protection

No specific measures.

## 9 Physical and Chemical Properties

**Appearance:** Grey sheet with nilvent branding

**Odour:** None

**pH:** Neutral under normal conditions.

**Melting point:** Between 160 and 278 °C

**Decomposition temp:** Above 250 °C in the presence of oxygen

**Flash point:** Not determined

**Auto ignition temp:** Above 260 °C

**Solubility in water:** Insoluble.

**Other data:** None.

## 10 Stability and Reactivity

### **Conditions to avoid:**

Under thermal decomposition, flammable and toxic fumes can be generated.

Above 250°C, toxic and flammable gases such as tetrahydrofuran, acrolein and carbon monoxide may be released.

If product is subject to fire conditions structure breakdown and oxidation occurs. Non-burned residues and contaminated water as a result of fire fighting should be disposed of in compliance with the official regulations.

Molten material should not be allowed to make contact with the skin. In case of skin contact/adherence do not try to remove it but cool it down with cold water and seek for medical assistance.

## 11 Toxicological Information

No toxic reaction known under normal conditions.

Under decomposition conditions, toxic and flammable fumes can be generated – see section 10.

## 12 Ecological Information

The product is inert and stable in water and soil.

The product is not biodegradable.

## 13 Disposal Considerations

Waste is non-hazardous.

Observe usual safety precautions with polythene bags, wrapping and packaging.

Clean, undamaged product may be re-used.

Waste product should be disposed of in accordance with the Waste Hierarchy – Reduce, Re-Use, Recycle.

## 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.

## 15 Regulatory Information

Not applicable.

## 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.

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 Services Department to ensure information is current.



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