

MATERIAL SAFETY DATA SHEET

PRODUCT: nilvent breathable membrane

Revision 2 - 23/03/2006



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

1.1 Identification

Kingspan nilvent

1.2 Distributor

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.

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

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

3. 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).

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 to fresh air and seek medical assistance if cough or other systems persist.

Skin: No specific measure to be taken under normal conditions.

Eyes: No specific measure to be taken under normal conditions.

Ingestion: No specific measure to be taken under normal conditions.

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, Dry powder of CO₂.

Un-suitable media - None.

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: n/a
Boiling point: n/a
Melting point: between 160 and 278°C
Decomposition temp: above 250°C in the presence of oxygen
Flash point: not determined
Flammability: not easily flammable
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.

For transportation, storage and under normal conditions no ecological effects known.
The product is not biodegradable.

13. Disposal considerations.

The preferred way for disposal is recycling or incineration in accordance with the local regulations; avoid landfill.

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14. Transport information.

Not regulated. Not defined as a dangerous cargo by the following regulations:

Sea transportation:	IMO/IMDG
Air transportation:	ICAO/IATA
Road, rail transportation:	ADR/RID

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 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.