



Product Safety Information

This product is 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 the product and of the company / undertaking

1.1 Product Identifier

Kingspan Aquazone®.

1.2 Relevant identified uses of the product

High performance nonwoven polyethylene membrane suitable for use on inverted roofs finished with gravel ballast, green roof systems and concrete pavers on appropriate supports. No uses advised against on physical, health or environmental grounds based on the provisions of the REACH Regulation.

1.3 Details of the supplier of the Product Safety Information Sheet

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2 Hazards Identification

2.1 Classification

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

2.2 Label elements

In line with the lack of classification, there are no specific labelling requirements.

2.3 Other hazards

Accidental thermal decomposition or melting state can present hazards.

3 Composition information

Kingspan Aquazone® is a non-woven spun bonded sheet.

4 First aid measures

4.1 Description of first aid measures

Inhalation: Under normal conditions, no specific measures 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 measures to be taken.

Eyes: Under normal conditions, no specific measures to be taken.

Ingestion: Under normal conditions, no specific measures to be taken.



4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No information available.
Skin:	No information available.
Eyes:	No information available.
Ingestion:	No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

5 Firefighting measures

5.1 Extinguishing media

Suitable media:	Water spray (fog), foam, CO ₂ or dry chemical.
Unsuitable media:	Not applicable.

5.2 Special hazards arising from the product

Special exposure hazards: None.

For flammable and toxic fumes as well as skin contact with molten material, see Section 10.

5.3 Advice for firefighters

Firefighters should use self-contained breathing apparatus and suitable protective equipment.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not applicable.

6.2 Environmental precautions

Not applicable.

6.3 Methods and material for containment and cleaning up

Not applicable.

6.4 Reference to other sections

See Section 8 for PPE.
See Section 13 for Disposal considerations.

7 Handling and storage

7.1 Precautions for safe handling

Normal requirements.

Use gloves to prevent cuts during cutting.

Material can create slippery conditions.

7.2 Conditions for safe storage, including any incompatibilities

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. Keep product protected from the elements. Ensure stability of stack and provide adequate aisle space for access between stacks.

8 Exposure controls / personal protection

8.1 Control parameters

No specific measures.

8.2 Exposure controls

Inhalation: Not applicable.

Hands: It is recommended that gloves be worn when cutting the product.

Eyes: Not applicable.

Skin: Not applicable.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: White non-woven sheet with Aquazone® branding.

Odour: None.

pH: Not applicable.

Melting point: ca. 135°C.

Decomposition temperature: > 200°C in the presence of oxygen.

Flash point: Not applicable.

Auto-ignition temperature: 330°C - 350°C

Solubility in water: Not applicable.

9.2 Other information

No additional chemical or physical properties to report.

10 Stability and reactivity

10.1 Reactivity

Unreactive during normal use (see Section 7).

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Not reactive.

10.4 Conditions to avoid

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

10.5 Incompatible materials

None specified.

10.6 Hazardous decomposition products

Above 200°C, carbon monoxide and toxic and flammable gases may be released. If product is subject to fire conditions structure breakdown and oxidation occurs. The generation of cleavage and oxidation products is subject of fire conditions. Non-burned residues and contaminated water as a result of firefighting 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 medical assistance.

11 Toxicological Information

11.1 Information on toxicological effects

There are no known adverse health effects arising from handling or using Kingspan Aquazone® as supplied.

No toxic reaction known under normal conditions.

11.2 Information on other hazards

Under decomposition conditions: toxic fumes and contaminated water, see Section 10.

12 Ecological information

12.1 Toxicity

Under decomposition conditions: toxic fumes and contaminated water, see Section 10.

12.2 Persistence and degradability

Particles released to the environment may persist and be taken up by aquatic and terrestrial organisms, potentially causing physical effects.

12.3 Bio-accumulative potential

No anticipated bio-accumulative potential.

12.4 Mobility in soil

No anticipated mobility.

12.5 Results of PBT and vPvB assessment

No such assessment is required for products such as Aquazone®, since the assessment of persistence, bioaccumulation and toxicity only applies at the substance level. In this respect those substances contained in Aquazone® are not known to possess any of these properties, although appropriate management at end-of-life is still recommended.

12.6 Endocrine disrupting properties

No data available.

12.7 Other Adverse Effects

For transportation, storage, normal use: no ecological effects known.

13 Disposal considerations

13.1 Waste treatment methods

Waste is considered to be 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

15.1 Safety, health and environmental regulations / legislation specific for the product

Since product covered by this Product Safety Information sheet is not identified as hazardous waste under the Waste Framework Directive (EU 851/2018) and does not contain substances that display hazardous endpoints under GHS or are classified under CLP (EC 1272/2008), there are no regulations currently applicable to Aquazone®.

15.2 Chemical safety assessment

No assessment required.

16 Other information

The information contained here is offered in good faith and is based on our current knowledge.

We thereby maintain the right to update and amend this document as necessary.

The information should not be taken as a 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. Please refer to Sections 7 and 8 for safe handling and appropriate safety measures.

Users should visit the Kingspan Insulation website or contact the Kingspan Insulation Technical Service Department to ensure information is current.

This data sheet does not constitute a workplace assessment. The information provided represents the state of our knowledge regarding this material at the date of its publication. The information provided does not constitute a product specification and no warranty expressed or implied is hereby made.

The information relates only to the specific material designated when used in applications it has been designed for. This information may not be valid for such material used in combination with any other materials or in any other processes, unless specified in the text.

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