

Safety data sheet in accordance with Regulation (EC) No 1907/2006

Revision date: 20.06.2022
Replacement of version 0005 of 06.08.2021

Version: 0006

Knauf Aquapanel GmbH & Co. KG

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 *Product identifier*

Trade name **AQUAPANEL® Water Barrier**
Product number **KAQ_0461**
Item code **544043**

1.2 *Relevant identified uses of the substance or mixture and uses advised against*

Appropriate use:
The product is used as a moisture-permeable water barrier.

1.3 *Details of the supplier of the safety data sheet*

Knauf Aquapanel GmbH & Co. KG
Zur Helle 11
D-58638 Iserlohn

Telephone: +49-2374-50360 Fax: +49-2374-5036300
e-mail: aquapanel.info@knauf.com

e-mail-address of the competent person responsible for this Safety Data Sheet:
info@gefstoff.de

Technical contact:

Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn
Telephone: +49-2374-50360 Fax: +49-2374-5036300

1.4 *Emergency telephone number*

Giftnotruf der Charité - Universitätsmedizin Berlin, Campus Benjamin Franklin, Haus VIII (Wirtschaftsgebäude), UG
Hindenburgdamm 30, 12203 Berlin
**(Giftnotruf Berlin +49-30-30686 700 (Advice in German and English)
(24 hours, Monday – Sunday)**

SECTION 2: Hazards identification

2.1 *Classification of the substance or mixture*

The product does not meet the criteria for a classification as hazardous in accordance with the current version of Regulation (EC) No 1272/2008.

2.2 *Label elements*

Hazard pictogram(s):	No pictogram
Signal word(s):	No signal word
Product identifier:	Not required
Hazard statements:	Not required
Precautionary statements:	Not required
Supplemental hazard information:	Not required

Remark:

The product is an article. There is no requirement for the product to be specially labelled according to Regulation (EC) No 1272/2008 or the corresponding national laws.

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2.3 Other hazards

This article does not contain dangerous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

This material can accumulate static charge and may discharge with sparking.

The product as a solid is deemed to be hazardous to water in general in accordance with § 3(2) point 8 AwSV.

This article does not contain any substances classified as PBT/vPvB or any substances having endocrine disrupting properties in concentrations of more or equal than 0.1%.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

REACH registration number:

The ingredients do not require registration according to Regulation (EC) No 1207/2006 [REACH] (exempted from registration or the annual tonnage does not require a registration).

Characterisation

The product is an article in accordance with Article 2 of Regulation (EC) No 1272/2008.

It consists of nonwoven fabrics made of polypropylene, membrane and coating material and additives.

Substances presenting a health/environmental hazard within the meaning of Regulation (EC) No 1272/2008

This article does not contain dangerous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

Substances for which there are Union workplace exposure limits (see also Section 8.)

No substances.

Additional information

None.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

None.

In case of inhalation

If exposed to gases generated by the decomposition of the product at high temperatures, take the affected person into the fresh air.

By continuous complaints seek medical advice.

If used as intended, dust will not be released in relevant amounts.

In case of contact with skin

No first aid measures are necessary if used as intended.

In case of contact with eyes

No first aid measures are necessary if used as intended.

In case of ingestion

No first aid measures are necessary if used as intended.

4.2 Most important symptoms and effects, both acute and delayed

No symptoms and effects known.

4.3 Indication of any immediate medical attention and special treatment needed

None.

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SECTION 5: Firefighting measures

5.1 *Extinguishing media*

Suitable extinguishing media

Water spray jet, extinguishing powder, carbon dioxide, alcohol-resistant foam, sand.

Unsuitable extinguishing media

Full water jet.

5.2 *Special hazards arising from the substance or mixture*

In the event of fire the following can be released: toxic and flammable gases, carbon monoxide, carbon dioxide.

5.3 *Advice for firefighters*

Use self-contained breathing apparatus.

Collect non burned residues and contaminated firefighting water separately and dispose of in accordance with the local regulations.

Classification of fire reaction rating as per EN 13501-1:

European Class E (on mineral wool and wood; flammable).

SECTION 6: Accidental release measures

6.1 *Personal precautions, protective equipment and emergency procedures*

For non-emergency personnel

No special measures necessary if used as intended.

For emergency responders

No special measures necessary if used as intended.

6.2 *Environmental precautions*

Do not discharge into the drains and the aquatic environment.

6.3 *Methods and material for containment and cleaning up*

Pick up mechanically.

6.4 *Reference to other sections*

For personal protective equipment see also Section 8.

For disposal considerations see also Section 13.

SECTION 7: Handling and storage

7.1 *Precautions for safe handling*

Advice on safe handling

Avoid handling with important friction.

Advice on general occupational hygiene

No special measures necessary if used as intended.

7.2 *Conditions for safe storage, including any incompatibilities*

Advice on protection against fire and explosion

This material can accumulate static charge and may discharge with sparking.

Take precautionary measures against static discharges. Provide earthing.

Keep away from sources of ignition. Do not smoke.

Requirements for storage rooms and vessels

Store in a cool and well-ventilated place.

Temperature of storage < 40°C. Store in a dry place. Protect from moisture.

Advice on storage compatibility

Do not store together with concentrated acids and bases and strong oxidising agents.

The information about joint storage given in Table 12 of TRGS 510¹ must be observed.

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(continued from 7.2 Conditions for safe storage, including any incompatibilities)

Further information on storage conditions

Avoid direct and prolonged exposure to sunlight.

Storage class (for Germany only)

LGK 11 in accordance with TRGS 510¹.

7.3 Specific end use(s)

The product is only intended for the uses mentioned under subsection 1.2. Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain substances for which exposure limit values have been assigned.

8.2 Exposure controls

Appropriate engineering controls

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See also subsection 7.1.

Individual protection measures, such as personal protective equipment

Eye/face protection

Not necessary if used as intended.

Hand protection

Not necessary if used as intended.

Body protection

Not necessary if used as intended.

Respiratory protection

Not necessary if used as intended.

Thermal hazards

Not relevant.

Environmental exposure controls

See Section 6.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid	
Colour:	front side black / back side white	
Odour:	odourless	
Odour threshold:	no data available	
Melting point/freezing point (°C):	50 - 170	
Boiling point/initial boiling point/boiling range (°C):	not applicable	
Flammability:	Euro class E (flammable)	(DIN EN 13501-1)
Lower explosion limit:	not applicable	
Upper explosion limit:	not applicable	
Flash point (°C), closed cup:	not applicable	
Auto-ignition temperature (°C):	no data available	
Decomposition temperature (°C):	> 300	
pH (as supplied):	not applicable	
Kinematic viscosity (mm ² /s):	not applicable	
Solubility in water:	insoluble	
Soluble in:	no data available	
Partition coefficient: n-octanol/water (log value):	not applicable	
Vapour pressure (20°C) (mbar):	not applicable	
Density (g/cm ³) (20°C):	not determined	
Relative vapour density (20°C):	not applicable	
Particle characteristics:	nonwoven fabric	

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9.2 Other information

None.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available for the product.

10.2 Chemical stability

The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Avoid contact with concentrated acids and bases and strong oxidising agents.

10.4 Conditions to avoid

Decomposition starts at temperatures above 230°C.
Temperature stability: from – 40°C up to + 80°C.

10.5 Incompatible materials

Avoid contact with concentrated acids and bases and strong oxidising agents..

10.6 Hazardous decomposition products

No hazardous decomposition products known.
For hazardous combustion products see subsection 5.2.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

The article has not been tested.

Acute toxicity

LD50 rat, oral	(mg/kg)	No data available.
LD50 rat, dermal	(mg/kg)	No data available.
LC50 rat, inhalation	(mg/l/4h)	No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data are available for the product.

Germ cell mutagenicity

The article does not contain substances classified as germ cell mutagens.

Carcinogenicity

The article does not contain substances classified as carcinogenic.

Reproductive toxicity

The article does not contain substances classified as toxic for the reproduction.

Specific target organ toxicity (STOT)-single exposure

The article does not contain substances classified as being a specific target organ toxicant after single exposure.

Specific target organ toxicity (STOT)-repeated exposure

The article does not contain substances classified as being a specific target organ toxicant after repeated exposure.

Aspiration hazard

The article does not contain aspiration toxicants.

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(continued from 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008)

Symptoms related to the physical, chemical and toxicological characteristics

The product is an article in accordance with Article 2 of Regulation (EC) No 1272/2008 and this means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

The product is an article in accordance with Article 2 of Regulation (EC) No 1272/2008 and this means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition.

11.2 Information on other hazards

The article has not been tested.

Endocrine disrupting properties

This article does not contain substances having endocrine disrupting properties in accordance with Article 57 (f) of the Regulation (EC) No 1907/2006 in a concentration of 0.1% or more.

Other information

None.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

96 h LC50 (fish)	No data available.
48 h EC50 (daphnia)	No data available.
72 h IC50 (algae)	No data available.

Behaviour in sewage works:

The product can be refined mechanically.

12.2 Persistence and degradability

The product is poorly biodegradable.

Chemical oxygen demand (COD)	No data available.
Biochemical oxygen demand (BOD5)	No data available.
AOX-hint	Not to apply.

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

This article does not contain any substances classified as PBT/vPvB in a concentration of 0.1% or more.

12.6 Endocrine disrupting properties

This article does not contain substances having endocrine disrupting properties in accordance with Article 57 (f) of the Regulation (EC) No 1907/2006 in a concentration of 0.1% or more.

12.7 Other adverse effects

Ozone depletion potential	No data available.
Photochemical ozone creation potential	No data available.
Global warming potential	No data available.

No ecological data available for the product.

The product as a solid is deemed to be hazardous to water in general.

Contains according to the formulation following compounds of directives 2006/11/EC and 80/68/EEC:

None.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal according to official state regulations.
Consult the local waste disposal expert about waste disposal.

Disposal operations/recovery operations according to Directive 2008/98/EC

Disposal operations:	D 10	Incineration on land
Recovery operations:	R 3	Recycling/reclamation of organic substances which are not used as solvents

Properties of waste which render it hazardous in accordance with Annex III of Directive 2008/98/EC

Not relevant.

Product/unused product

Waste disposal corresponding to European Waste Catalogue. Wastes must be classified with respect to their origin and depending on different processing steps. The waste codes mentioned as follows are only constituted as our recommendations. Referring to the particular case they should be completed or revised.

EC waste code:	17 09 04
Waste notation:	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

Contaminated packaging

Recommendation:	Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Recommended cleansing agent:	Remove adhering residues mechanically.

SECTION 14: Transport information

14.1 UN number or ID number

No dangerous good in accordance with the UN Model Regulations (ADR/RID/ADN/IMDG/ICAO/IATA).

14.2 UN proper shipping name

Not relevant.

14.3 Transport hazard class(es)

Not relevant.

14.4 Packing group

Not relevant.

14.5 Environmental hazards

Not relevant.

14.6 Special precautions for user

Not relevant.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Information regarding relevant Union safety, health and environmental provisions

- Conditions of restriction in accordance with Annex XVII Regulation (EC) No 1907/2006: None
- The article does not contain substances classified as substances of very high concern (SVHC) in accordance with Article 57 of the Regulation (EC) No 1907/2006 in a concentration of 0.1% or more.

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(continued from 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture)

Information regarding national laws/national measures that may be relevant (for Germany only)

Restriction of occupation: Not relevant
Major Accident Ordinance: Not relevant
Fire and explosion hazards: Not relevant
Regulation on clean air (TA Luft): Number 5.2.1 (exhaust stream in case of liberation of dust during processing and treatment)
Water hazard class: The product as a solid is deemed to be hazardous to water in general in accordance with § 3(2) point 8 AwSV¹
The German Ordinance on facilities for handling substances that are hazardous to water (AwSV) has to be observed
German Ordinance on Hazardous Substances (in accordance with EC-Directive 98/24/EC): Article 6

Further regulations, limitations and legal requirements:

None.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for a substance in the product.

SECTION 16: Other information

Keeping (restrictions) Article 8 paragraphs 5 and 6 of the German Ordinance on Hazardous Substances has to be observed. (only for Germany)

Supply to professional user, industrial user

Full text of the hazard statements referred to under sections 2 and 3 of the Safety Data Sheet

Not to apply.

Key or legend to abbreviations and acronyms used in the safety data sheet

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR: Accord relatif au transport international des marchandises dangereuses par route
AOX: adsorbable organically bound halogens
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances that are hazardous to water
ICAO/IATA: International Civil Aviation Organisation/International Air Transport Association-Dangerous Goods Regulations
IMDG-Code: International Maritime Dangerous Goods-Code
IMO: International Maritime Organization
LGK: Lagerklasse (storage class)
PBT: persistent, bioaccumulative and toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)
VCI: Verband der chemischen Industrie (German Association of Chemical Industry)
vPvB: very persistent and very bioaccumulative Substances)

Literature references and sources for data

¹ <https://www.umweltbundesamt.de>

Method used for the classification of the mixture

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Changes which have been made to the previous version of the safety data sheet

Revised sections: 2.3, 3.2, 9.1, 10.4, 11.2, 12.6, 16

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Compiled by: **Dr. Michael Urban**
Fachberatung Gefahrstoff Gefahrgut
Vogelbeerweg 3 D-26180 Rastede-Ipwege / Germany
Tel.: +49-4402-695620 Fax: +49-4402-695621