

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

Revision date: 21.07.2017
Replacement of version 0009 of 25.08.2016

Version: 0010

Knauf Aquapanel GmbH & Co. KG

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

1.1 *Product identifier*

Trade name **AQUAPANEL® Cement Board Floor Tile Underlay**
Product number **KAQ_0013**
Item code **240211**

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

Appropriate use:
The product is used as a substrate for tiles.

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:
urban-finking.gefstoff@t-online.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 Berlin, Advice in German and English
Telephone: +49-30-30686 790
(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 EU directives/regulations or the corresponding national laws.

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2.3 Other hazards

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

Avoid formation of dust during processing and treatment.

Liberated dust can cause temporary irritation of the eyes, skin and the respiratory tract.

This article does not contain any substances classified as PBT/vPvB.

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] or the registration is scheduled at a later date.

Characterisation

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

This product is a cementitious dry floor panel, made of aggregated Portland cement with coated glass fiber mesh embedded in the back and front.

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 Union workplace exposure limits have been assigned (see also Section 8.)

No substances.

Additional information

The product contains the following substances in concentrations $\geq 1\%$ for which there are national workplace exposure limits (see subsection 8.1): fiber dust, no limited evidence of a carcinogenic effect.

The fibers used in this product are not subject to the Directive 97/69/EC.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Change contaminated clothing and wash before reuse.

In case of inhalation

If liberated dust is inhaled, ensure supply of fresh air.

In the event of symptoms take medical treatment.

In case of contact with skin

If skin irritation occurs, seek medical advice.

In case of contact with eyes

In case of particle entering the eyes, rinse thoroughly with plenty of water.

Remove contact lenses, if present and easy to do. In the event of symptoms consult an ophthalmologist.

Do not rub eyes, cornea damage is possible by mechanical stress.

In case of ingestion

Not relevant.

4.2 Most important symptoms and effects, both acute and delayed

Liberated dust can cause temporary irritation of the eyes, skin and the respiratory tract.

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

Product itself is non-combustible.

Fire extinguishing method of surrounding areas must be discussed.

Unsuitable extinguishing media

Product itself is non-combustible.

Fire extinguishing method of surrounding areas must be discussed.

5.2 *Special hazards arising from the substance or mixture*

In the event of fire the following can be released: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride and other toxic pyrolysis fumes.

5.3 *Advice for firefighters*

Wear self-contained breathing apparatus.

Classification of fire reaction rating as per EN 13501-1: Euro class A1 (Non-combustible).

SECTION 6: Accidental release measures

6.1 *Personal precautions, protective equipment and emergency procedures*

For non-emergency personnel

Avoid formation of dust. Ensure adequate ventilation.

In case of liberation of dust use breathing apparatus.

Keep away from unprotected people.

For emergency responders

For suitable fabric for personal protective clothing see Section 8.

6.2 *Environmental precautions*

When used as intended, no special measures necessary.

6.3 *Methods and material for containment and cleaning up*

Pick up mechanically. Avoid formation of dust.

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 formation of dust.

If necessary, provide local exhaust ventilation.

If product is cut with electric device, the device must be equipped with a dust collector.

In case of release of mineral dust, comply with the protective measures in accordance with TRGS 559¹.

In designing the work process the model solutions of the Control Guidance Sheets 100¹, 110¹, 200¹ and 240¹ must be taken into consideration.

Advice on general occupational hygiene

Do not inhale liberated dust.

Change contaminated clothing and wash before reuse.

Avoid contact with skin. Clean skin after work.

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7.2 Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

No special measures necessary.

Requirements for storage rooms and vessels

No special measures necessary.

Advice on storage compatibility

Do not store together with acids.

The information about joint storage given in Table 2 of TRGS 510¹ must be observed.

Further information on storage conditions

Store in a dry place.

Storage class (for Germany only)

LGK 13 (non-combustible solids) 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.

The product is used as a substrate for tiles on wooden subfloors.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS No	Identification	Limit values	Remarks
not relevant	fiber dust, no limited evidence of as carcinogenic effect	10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 20 mg/m ³ 20 mg/m ³ 20 mg/m ³ 5 mg/m ³ 3 mg/m ³ 5 mg/m ³ (respirable aerosol) 1.25 mg/m ³ 6 mg/m ³ 4 mg/m ³ 3 mg/m ³ 5 mg/m ³ 10 mg/m ³ 3 mg/m ³ 5 mg/m ³ 10 mg/m ³	Dust, inhalable National limit values – eight hours Austria Belgium Denmark France Germany Hungary Ireland Spain Sweden National limit values – short term Austria Denmark Germany Dust, respirable National limit values – eight hours Austria Belgium France Germany Hungary Ireland Spain Sweden National limit values – short term Austria Mineral dust, respirable National limit values – eight hours Belgium Denmark National limit values – short term Denmark

Remark: In case of formation of fiber dust during processing and treatment, the limit value must be observed.
The methods for measuring chemical agents in workplace atmosphere must meet the general requirements of EN 481, EN 482 and EN 689.

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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.

In case of dust formation exhaust ventilation at the object (initiation point) is necessary.

The effectiveness of suitable protective measures must be controlled.

Suitable assessment methods are described in the German TRGS 402¹.

Individual protection measures, such as personal protective equipment

Personal protective equipment needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled.

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer/supplier of the personal protective equipment.

Eye/face protection

Tightly fitting safety glasses in accordance with EN 166 (in case of fiber dust liberation).



Hand protection

Work gloves for protection against mechanical damage.



Body protection

Closed work clothing.

Respiratory protection



(particle filter P1).

In case of dust liberation use a particle filter half mask, filter FFP1 or half-/quarter-mask

The limitations in wearing time according to the DGUV Regel 112-190² (rule of the German employers' liability insurance association) for the use of respirators must be observed.

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:	grey
Odour:	odourless
Melting point / melting range (°C):	not relevant
Relative density:	no data available
Dry density (kg/m ³):	approx. 1350
Weight per unit area (kg/m ²):	approx. 8.5

9.2 Other information

None.

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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*

Possible reactions with acids.

10.4 *Conditions to avoid*

When used as intended, no particular conditions known.

10.5 *Incompatible materials*

Possible reactions with acids.

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 toxicological effects*

No data are available for the product.

Acute toxicity

LD50 rat, oral	(mg/kg)	No data available.
LD50 rat, dermal	(mg/kg)	No data available.
LC50 rat, inhalation	(mg/1/4h)	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 glass fibers used in the product do not correspond to the WHO-definition and/or the value of the carcinogenicity index is ≥ 40 .

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.

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.

Liberated dust can cause temporary irritation of the eyes, skin and the respiratory tract.

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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.

Liberated dust can cause temporary irritation of the eyes, skin and the respiratory tract.

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:

Broken pieces of the product can be mechanically refined for the most part in waste water cleaning plants.

12.2 Persistence and degradability

The product has not been tested.

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.

12.6 Other adverse effects

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

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 9 Physico-chemical treatment

Recovery operations R 5 Recycling/reclamation of other inorganic materials

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.

Packaging film/Straps:

EC waste code: 15 01 02

Waste notation: Plastic packaging

Pallets:

EC waste code: 15 01 03

Waste notation: Wooden packaging

SECTION 14: Transport information**14.1 UN 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 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not relevant.

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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

None.

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

Indications on restriction of occupation:	Not relevant
Major-accident Regulation:	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:	Non-hazardous to water (according to § 3(2) sentence 2 AwSV) ³

German Ordinance on Hazardous Substances
(in accordance with EC-Directive 98/24/EC): Article 6 must be observed.

In case of liberation of dust during processing and treatment:

German Ordinance on Hazardous Substances (in accordance with EC-Directive 98/24/EC):	Articles 7, 8, 9, 14, Annex I No 2
Regulation on Occupational Medical Prevention (ArbMedVV):	Annex, Part 1 (1): <u>Obligatory prophylaxis:</u> The employer shall arrange occupational medical prophylaxis for workers conducting activities with exposure to inhalable dust, if the occupational exposure limit value is exceeded. Annex, Part 1 (2): <u>Prophylaxis offer:</u> For activities involving inhalable dust occupational medical prevention has to be offered.
Technical Rules for Hazardous Substances ¹ :	TRGS 400, 402, 500, 510, 555, 559, 900
Rules of the employers' liability insurance association ² :	DGUV Regel 112-190, 112-192, 112-195
Informations of the employers' liability insurance association ² :	DGUV Information 250-403
Classification in accordance with the easy-to-use workplace control scheme for hazardous substances of the Federal Institute for Occupational Safety and Health, version 2.2, 2014 ⁴ :	inhalation: hazard group A (in case of release of mineral dust, the protective measures in accordance with TRGS 559 ¹ should be applied preferably)

15.2 Chemical safety assessment

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

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SECTION 16: Other information

Keeping (restrictions) Not relevant
Supply to industry consumer

Full text of the hazard statements referred to under subsections 2.1 and 3.2 of the Safety Data Sheet

Not to apply.

Key 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 européen 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
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

- <http://www.baua.de>
- <http://www.arbeitssicherheit.de>
- <http://www.umweltbundesamt.de>
- <http://www.baua.de/emkg>

Method used for the classification of the mixture

The product is an article. There is no requirement for the product to be specially labelled according to EU directives/regulations or the corresponding national laws.

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

Revised sections: 1.4, 2.2, 9.1, 12.2, 12.6, 12.7 (deleted), 15.2
Adaptation of the structure of Sections 3, 4, 5, 6, 7, 8, 11, 13, 15 and 16 to Part B of the Annex of Regulation (EU) 2015/830.

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.

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