

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

Revision date: 14.07.2018  
Replacement of version 0005 of 21.07.2017

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® SkyLite Joint Filler & Skim Coating**  
Product number **KAQ\_0428**  
Item code **475694**

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

Appropriate use:  
The product is used as a joint filling agent.

### 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](mailto:aquapanel.info@knauf.com)

e-mail-address of the competent person responsible for this Safety Data Sheet:  
[urban-finking.gefstoff@t-online.de](mailto: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*

Eye Dam. 1; H318  
Skin Irrit. 2; H315  
STOT SE 3; H335

Trade name: AQUAPANEL® SkyLite Joint Filler & Skim Coating Product number: KAQ\_0428  
Company/Undertaking: Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn  
Telephone: +49-(0)2374-50360 Revision date: 14.07.2018

## 2.2 Label elements

Hazard pictogram(s):



Signal word(s):

Danger

Product identifier:

AQUAPANEL® SkyLite Joint Filler & Skim Coating  
contains Portland cement, calcium hydroxide

Hazard statements:

H315  
H318  
H335

Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.

Precautionary statements:

P102  
P261  
P271  
P280  
  
P305 + P351 + P338  
  
P315  
P302 + P352  
P332 + P313  
P362 + P364  
P304 + P340  
  
P501

Keep out of reach of children.  
Avoid breathing dust.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/  
face protection.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue  
rinsing.  
Get immediate medical advice/attention.  
IF ON SKIN: Wash with plenty of water and soap.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable  
for breathing.  
Dispose of contents/container to hazardous or special waste  
collection point.

Supplemental hazard information:

Not required

### Remarks:

- According to Article 35 paragraph 2 of Regulation (EC) No 1272/2008 packaging supplied to the general public should not have either a shape or form to mislead consumers.
- The use of the precautionary statements P102 and P501 is necessary for the labelling of the dangerous mixture supplied to the general public.

## 2.3 Other hazards

Prolonged and repetitive contact with the skin or contact with moist skin can lead to contact dermatitis.  
Cement may irritate the throat and respiratory tract.  
Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of damage to the lungs.  
Avoid absolutely formation of dust during processing and treatment.  
The product as a solid mixture is deemed to be hazardous to water in general.  
In case of ingress of water formation of a strong alkaline solution.  
The mixture does not contain any substances classified as PBT/vPvB in a concentration of 0.1% or more.

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn | Revision date:  | 14.07.2018 |
| Telephone:           | +49-(0)2374-50360   |                 |            |

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

REACH registration number:

Ingredient calcium hydroxide: 01-2119475151-45-XXXX

#### Characterisation

This product is a mixture. It is a dry mortar based on special cements (low in chromium VI), loading material (hydrate of white lime, limestone flour, perlite), thickening agents (cellulose ether) and copolymers based on vinyl acetate and ethylene.

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

| CAS No     | EC No     | Identification                    | % by weight | Classification   |
|------------|-----------|-----------------------------------|-------------|--|
| 65997-15-1 | 266-043-4 | Portland cement<br>(white cement) | 20 - 30     | Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>STOT SE 3; H335 |
| 1305-62-0  | 215-137-3 | calcium hydroxide                 | 5 - < 10    | Eye Dam. 1; H318<br>Skin Irrit. 2; H315<br>STOT SE 3; H335 |

See subsection 2.2 for further details. Full text of the hazard statements see Section 16.

#### Substances for which Union workplace exposure limits have been assigned (see also Section 8.)

No substances.

#### Additional information

The hazardous properties of the product indicated by the classification occur in case of contact with moisture or water (alkaline reaction of Portland cement and calcium hydroxide).

The type of the Portland cement used in this product is low in chromate.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Take off contaminated clothing immediately and wash before reuse.

In the immediate working surroundings emergency eye wash must be installed. Label its location conspicuously.

#### In case of inhalation

Take affected person to fresh air. Dust in throat and nasal passages must be removed immediately.

By continuous complaints seek medical advice.

#### In case of contact with skin

In case of contact with skin wash off immediately with plenty of water.

By continuous complaints seek medical advice.

#### In case of contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do.

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

#### In case of ingestion

If swallowed, rinse mouth with water (only if the person is conscious).

Let water be swallowed in little sips (dilution effect). Do not induce vomiting.

Take medical treatment immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

After inhalation: coughing, sore throat.

After ingestion: abdominal pains.

After contact with skin: redness, dry skin.

After contact with eyes: serious eye damage.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No information available.

---

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn |                 |            |
| Telephone:           | +49-(0)2374-50360   | Revision date:  | 14.07.2018 |

---

## 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: hydrogen chloride.

### 5.3 *Advice for firefighters*

Use self-contained breathing apparatus in dust-laden atmosphere.

Collect contaminated firefighting water separately (strong alkaline solution) and dispose of in accordance with the local regulations.

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 dust formation. Use personal protective clothing.

Keep away from unprotected people.

#### **For emergency responders**

For suitable fabric for personal protective clothing see Section 8.

### 6.2 *Environmental precautions*

Do not discharge into the drains, the aquatic environment and soil.

### 6.3 *Methods and material for containment and cleaning up*

Keep away from water. Pick up mechanically. Avoid raising dust.

Do not use compressed air for cleaning surfaces or clothing.

Approved industrial vacuum cleaners or central suction systems should be used for removal of dry product.

Clean up wet product and place in a container.

Allow material to dry and solidify before disposal.

Dispose of absorbed material in accordance with the regulations.

After contact with water product is setting up.

Clear contaminated areas thoroughly.

### 6.4 *Reference to other sections*

For personal protective equipment see also Section 8.

For disposal considerations see also Section 13.

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn |                 |            |
| Telephone:           | +49-(0)2374-50360   | Revision date:  | 14.07.2018 |

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid formation of dust. Avoid contact with skin and eyes.  
Provide good ventilation of working area (local exhaust ventilation if necessary).  
Keep sampling device dry. Always close containers tightly after the removal of product.  
Dust deposits that cannot be avoided must be taken up regularly.  
For bagged filler used in open-ended mixers, first add the water and then carefully add the filler.  
Keep the height of fall low. Start stirring slowly.  
Do not compress empty bags, except when contained in another clean bag. When working, do not kneel in fresh filler.  
Use only alkali-proof equipment (alkaline reaction after water supply).  
The hazardous properties of the product indicated by the classification occur in case of addition of water.  
Comply with the minimum standards in accordance with TRGS 500<sup>1</sup>.  
Moreover, comply with the protective measures in accordance with TRGS 401<sup>1</sup>.  
In case of release of mineral dust, comply with the protective measures in accordance with TRGS 559<sup>1</sup>.

#### Inhalation:

In designing the work process the model solutions of the Control Guidance Sheet s 100<sup>1</sup> and 110<sup>1</sup> must be taken into consideration in case of possible release of dust and only small amounts of product (range of grams).  
In designing the work process the model solutions of the Control Guidance Sheet s 200<sup>1</sup>, 208<sup>1</sup> and 240<sup>1</sup> must be additionally taken into consideration in case of possible release of dust and medium amounts of product (range of kilograms).  
In designing the work process the model solutions of the Control Guidance Sheet 300<sup>1</sup> (closed system) must be taken into consideration in case of possible release of dust and large amounts of product (range of tons).

#### Skin contact:

In designing the work process the model solutions of the Control Guidance Sheet 120<sup>1</sup> must be taken into consideration in case of small-area skin contact (e.g. splashes) and short-term effect (duration of skin contact less than 15 minutes per shift). In case of long-term effect (duration of skin contact more than 15 minutes per shift), the model solutions of the Control Guidance Sheet 250<sup>1</sup> must be additionally taken into consideration.  
In designing the work process the model solutions of the Control Guidance Sheet s 120<sup>1</sup> and 250<sup>1</sup> must be taken into consideration in case of large-area skin contact (wetting of the skin) regardless on the duration of skin contact.

#### Advice on general occupational hygiene

Do not inhale dust. Avoid contact with eyes and skin. At work do not eat, drink, smoke or take drugs.  
Take off contaminated clothing immediately and wash before reuse. Store work clothing separately.  
After worktime and before breaks the affected skin areas must be thoroughly cleaned.  
After work protect skin by using skin protective cream.  
Set out skin protection guidelines.  
In the immediate working surroundings emergency eye wash must be installed. Label its location conspicuously.

### 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

Keep in the original container and tightly closed. Store container in a well-ventilated place.  
Do not store in aluminium containers. Risk of corrosion when moisture is present.

#### Advice on storage compatibility

Do not store together with acids.  
The information about joint storage given in Table 2 of TRGS 510<sup>1</sup> must be observed.

#### Further information on storage conditions

Store in a dry place. Protect from wetness.  
Maximum period of storage (time): unopened storage life approx. 12 months.

#### Storage class (for Germany only)

LGK 13 (non-combustible solids) in accordance with TRGS 510<sup>1</sup>.

### 7.3 Specific end use(s)

The product is only intended for the uses mentioned under subsection 1.2.  
Filler for full-surface skim coating by hand for interior and exterior use.  
In accordance with GISBAU (Information system of the German employers' liability insurance association for building and construction industry):  
GISCODE<sup>4</sup>: ZP 1 (products containing cement, low in chromium)

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn | Revision date:  | 14.07.2018 |
| Telephone:           | +49-(0)2374-50360   |                 |            |

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| CAS number | Identification    | Limit values   | Remarks   |
|------------|-------------------|--|---|
| 65997-15-1 | Portland cement   | 5 mg/m <sup>3</sup> inhalable aerosol<br>10 mg/m <sup>3</sup><br>5 mg/m <sup>3</sup> inhalable dust<br>1 mg/m <sup>3</sup> respirable fraction<br>10 mg/m <sup>3</sup> inhalable<br>1 mg/m <sup>3</sup> respirable fraction<br>6 mg/m <sup>3</sup><br>4 mg/m <sup>3</sup> respirable fraction<br>10 mg/m <sup>3</sup> inhalable aerosol<br>4 mg/m <sup>3</sup> respirable aerosol<br><br>10 mg/m <sup>3</sup> inhalable aerosol  | <b>National limit values – eight hours</b><br>Austria<br>Belgium<br>Finland<br>Finland<br>Hungary<br>Ireland<br>Latvia<br>Spain<br>United Kingdom<br>United Kingdom<br><b>National limit values – short term</b><br>Austria   |
| 1305-62-0  | calcium hydroxide | 5 mg/m <sup>3</sup> indicative occupational exposure limit value (eight hours)<br><br>2 mg/m <sup>3</sup> inhalable aerosol<br>2 mg/m <sup>3</sup><br>1 mg/m <sup>3</sup> inhalable aerosol<br>10 mg/m <sup>3</sup><br>5 mg/m <sup>3</sup><br>3 mg/m <sup>3</sup><br><br>4 mg/m <sup>3</sup> inhalable aerosol<br>4 mg/m <sup>3</sup><br>10 mg/m <sup>3</sup><br>2 mg/m <sup>3</sup> inhalable aerosol<br>6 mg/m <sup>3</sup> inhalable dust<br><br>1 mg/m <sup>3</sup> (respirable fraction)<br>4 mg/m <sup>3</sup> (respirable fraction) | EU-exposure limit value in accordance with Directive 91/322/EEC<br><br><b>Different national limit values – eight hours</b><br>Austria<br>Czech Republic<br>Germany<br>Latvia<br>Romania<br>Sweden<br><br><b>Different national limit values – short term</b><br>Austria<br>Czech Republic<br>Denmark<br>Germany<br>Sweden<br><br><b>From 21.02.2017*:</b><br>EU-exposure limit value in accordance with Directive (EU) 2017/164<br>8 hours<br>Short-term |
| 93763-70-3 | perlite           | 5 mg/m <sup>3</sup> inhalable aerosol<br>10 mg/m <sup>3</sup><br>4 mg/m <sup>3</sup><br><br>10 mg/m <sup>3</sup> inhalable aerosol   | <b>National limit values – eight hours</b><br>Austria<br>Belgium<br>Latvia<br><br><b>National limit values – short term</b><br>Austria  |

\* Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 21 August 2018 at the latest.

#### Additional limit values for calcium dihydroxide in accordance with the registration dossier:

- **DNEL (Derived No-Effect Level)**
  - worker, short-term exposition: inhalation, local effect: 4 mg/m<sup>3</sup>
  - worker, long-term exposition: inhalation, local effect: 1 mg/m<sup>3</sup>
  - general population, short-term exposition: inhalation, local effect: 4 mg/m<sup>3</sup>
  - general population, long-term exposition: inhalation, local effect: 1 mg/m<sup>3</sup>
- **PNEC (Predicted No-Effect Concentration)**
  - aquatic, fresh water: 0.49 mg/l
  - aquatic, marine water: 0.32 mg/l
  - aquatic, intermittent release: 0.49 mg/l
  - aquatic, sewage treatment plant: 3 mg/l
  - soil environment: 1080 mg/kg<sub>aw</sub>

The methods for measuring chemical agents in workplace atmosphere must meet the general requirements of EN 481, EN 482 and EN 689.

Trade name: AQUAPANEL® SkyLite Joint Filler & Skim Coating

Product number: KAQ\_0428

Company/Undertaking: Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn

Telephone: +49-(0)2374-50360

Revision date: 14.07.2018

## 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.

In case of release of dust, additionally comply with the protective measures in accordance with TRGS 559<sup>1</sup>.

The effectiveness of suitable protective measures must be controlled.

Suitable assessment methods are described in the German TRGS 402<sup>1</sup>.

### 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 dust formation and splashing).

#### Hand protection



Cotton gloves (nitrile-coated) marked with a CE sign. Wear cotton undermitten if possible. Suitable gloves for the handling of products containing cement, low in chromium (GISCODE<sup>2</sup>: ZP 1) in accordance with GISBAU (Information system of the German professional associations for building and construction industry):

- ANSELL: Hylite 47-400, Solknit 39-112 or 39-124
- COMASEC: Flexitop, Comanett, Flexitritl/PC, Fleximax 27 or 35
- KCL: Sahara
- MAPA: Stansolv AK 22, Duo-Mix 405
- MARIGOLD: N660 or G25G
- PROFAS: Profi Ergo, Contact Ergo

The protective gloves to be used must comply with the specifications of the standard EN 374.

#### Body protection

Closed work clothing.

#### Respiratory protection



In dust-laden atmosphere: breathing apparatus with particle filter P2 or filtering half mask to protect against particles FFP1 – FFP3 in accordance with EN 149.

Maximum use concentration for substances with occupational exposure limit values (OELV):

P1-filter up to max. 4 x OELV;

P2-filter up to max. 10 x OELV;

P3-filter up to max. 30 x OELV.

These values are only valid for Germany in accordance with the German DGUV Regel 112-190<sup>2</sup>. The limitations in wearing time according to the DGUV Regel 112-190<sup>2</sup> (rule of the German employers' liability insurance association) for the use of respirators have to be observed.

#### Thermal hazards

Not relevant.

#### Environmental exposure controls

See Section 6.

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn |                 |            |
| Telephone:           | +49-(0)2374-50360   | Revision date:  | 14.07.2018 |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state:                         | powder                                   |
| Colour:                                 | white                                    |
| Odour:                                  | slight                                   |
| Odour threshold:                        | no data available                        |
| pH (as supplied) (20°C):                | not determinable                         |
| pH (of an aqueous solution) (23°C):     | 11 – 13                                  |
| Melting point/freezing point (°C):      | not determined                           |
| Boiling point and boiling range (°C):   | not relevant                             |
| Flash point (°C), closed cup:           | not relevant                             |
| Evaporation rate:                       | not relevant                             |
| Flammability (solid, gas):              | not relevant                             |
| Upper flammability or explosive limit:  | not relevant                             |
| Lower flammability or explosive limit:  | not relevant                             |
| Vapour pressure (20°C) (mbar):          | not relevant                             |
| Vapour density (20°C):                  | not relevant                             |
| Relative density:                       | no data available                        |
| Bulk density (g/l):                     | approx. 600                              |
| Solubility in water (at 20°C):          | 1650 mg/l (calcium hydroxide)            |
| Soluble in:                             | not relevant                             |
| Partition coefficient: n-octanol/water: | not relevant                             |
| Auto-ignition temperature (°C):         | not relevant                             |
| Decomposition temperature (°C):         | 580 (decomposition of calcium hydroxide) |
| Viscosity:                              | not relevant                             |
| Explosive properties:                   | not explosive                            |
| Oxidising properties:                   | not relevant                             |

### 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

Reaction of limestone flour with acids, with violent evolution of heat and liberation of carbon dioxide. Increase in pressure and risk of bursting in closed containers.  
Wet product reacts with aluminium under the formation of hydrogen.  
Reaction of moist cement with acids, ammonium salts, aluminium and other base metals.  
Cement is soluble in hydrofluoric acid to form toxic and corrosive silicon tetrafluoride gas.

### 10.4 Conditions to avoid

Avoid influence of moisture before processing (alkaline reaction with water).  
Decomposition of calcium hydroxide into calcium oxide and water at temperatures above 580°C.

### 10.5 Incompatible materials

Calcium hydroxide contained in this product reacts with acids under the formation of calcium salts.  
Reaction of limestone flour with acids, with violent evolution of heat and liberation of carbon dioxide. Increase in pressure and risk of bursting in closed containers.  
Wet product reacts with aluminium under the formation of hydrogen.  
Reaction of moist cement with acids, ammonium salts, aluminium and other base metals.  
Cement is soluble in hydrofluoric acid to form toxic and corrosive silicon tetrafluoride gas.

### 10.6 Hazardous decomposition products

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



|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn | Revision date:  | 14.07.2018 |
| Telephone:           | +49-(0)2374-50360   |                 |            |

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

The mixture has not been tested.

The toxicological data mentioned are derived from an analogous product.

#### Acute toxicity

|                      |           |                    |  |
|----------------------|-----------|--------------------|--|
| LD50 rat, oral       | (mg/kg)   | 7340               | (calcium hydroxide) (RTECS)  |
| LD50 rabbit, dermal  | (mg/kg)   | > 2500             | (calcium hydroxide) (OECD Test Guideline 402)<br>(information of the manufacturer) |
| LC50 rat, inhalation | (mg/l/4h) | No data available. |  |

#### Skin corrosion/irritation

No data are available.

#### Serious eye damage/irritation

|                                  |   |
|----------------------------------|---|
| Irritant effect on eyes (rabbit) | Severe eye irritation (Standard Draize test)<br>(calcium hydroxide) (RTECS) |
|----------------------------------|---|

#### Respiratory or skin sensitisation

The product contains white cement. There is no risk of sensitisation.

#### Germ cell mutagenicity

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

#### Carcinogenicity

The mixture does not contain substances classified as carcinogenic.

#### Reproductive toxicity

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

#### Specific target organ toxicity (STOT)-single exposure

May cause respiratory irritation.

#### Specific target organ toxicity (STOT)-repeated exposure

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

#### Aspiration hazard

The mixture does not contain aspiration toxicants.

#### Symptoms related to the physical, chemical and toxicological characteristics

After inhalation: coughing, sore throat.

After ingestion: abdominal pains.

After contact with skin: redness, dry skin.

After contact with eyes: serious eye damage.

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

Prolonged and repetitive contact with the skin or contact with moist skin can lead to contact dermatitis.

Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of damage to the lungs.

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn |                 |            |
| Telephone:           | +49-(0)2374-50360   | Revision date:  | 14.07.2018 |

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

|           |           |             |   |
|-----------|-----------|-------------|---|
| 96 h LC50 | (fish)    | 50.6 mg/l   | (Oncorhynchus mykiss: rainbow trout)<br>(calcium hydroxide) (OECD Test Guideline 203) |
| 48 h EC50 | (daphnia) | 49.1 mg/l   | (Daphnia magna)<br>(calcium hydroxide) (OECD Test Guideline 202)                      |
| 72 h EC50 | (algae)   | 184.57 mg/l | (Pseudokirchneriella subcapitata)<br>(calcium hydroxide) (OECD Test Guideline 201)    |

#### Behaviour in sewage works:

Due to the alkaline character of the product, usually, it has to be neutralised before contaminated effluents are introduced into the waste water treatment system.

### 12.2 Persistence and degradability

|                                  |               |
|----------------------------------|---------------|
| Chemical oxygen demand (COD)     | Not relevant. |
| Biochemical oxygen demand (BOD5) | Not relevant. |
| 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

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

### 12.6 Other adverse effects

|  |              |
|--|--------------|
| Ozone depletion potential              | Not relevant |
| Photochemical ozone creation potential | Not relevant |
| Global warming potential               | Not relevant |

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

In case of ingress of water formation of a strong alkaline solution.

Increase of pH-value possible after release of large amounts into the aquatic environment.

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

None.

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn | Revision date:  | 14.07.2018 |
| Telephone:           | +49-(0)2374-50360   |                 |            |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste disposal according to official state regulations.

Sewage disposal must be avoided.

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

HP 4: Irritant

HP 5: Specific Target Organ Toxicity (STOT)

#### 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.

#### Dried-out product remainders:

EC waste code: 17 01 01

Waste notation: Concrete

#### Unused product:

EC waste code: 17 01 06

Waste notation: Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances

#### Contaminated packaging

Recommendation: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Recommended cleansing agent: Immediately clean with water.  
Hardened product can only be removed mechanically.

Packaging that cannot be cleaned:

EC waste code: 15 01 10

Waste notation: Packaging containing residues of or contaminated by dangerous substances

## 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.

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn |                 |            |
| Telephone:           | +49-(0)2374-50360   | Revision date:  | 14.07.2018 |

## 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

Observe Directive 2003/53/EC.

Observe employment restrictions under the law for the protection of young people at work (94/33/EC).

Observe Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

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

Restriction of occupation: Youth Employment Protection Act must be observed

Major-accident Ordinance: Not relevant

Fire and explosion hazards: Not relevant

Regulation on clean air (TA Luft): Number 5.2.1

Fire and explosion hazards: Not relevant

Water hazard class: The product as a solid mixture is deemed to be hazardous to water in general in accordance with § 3(2) point 8 AwSV<sup>3</sup>.

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):

Articles 6, 7, 8, 9, 14, Annex I No 2 must be observed.

Regulation on Occupational Medical Prevention (ArbMedVV): Annex, Part 1 (1):

**Obligatory prophylaxis:** 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):

**Prophylaxis offer:** For activities involving inhalable dust occupational medical prevention has to be offered.

Technical Rules for Hazardous Substances<sup>1</sup>:

TRGS 400, 401, 402, 500, 510, 555, 559, 600, 900

Rules of the employers' liability insurance association<sup>2</sup>:

DGUV Regel 112-189, 112-190, 112-192, 112-195

Information of the employers' liability insurance association<sup>2</sup>: 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<sup>5</sup>: inhalation: hazard group B

skin contact: hazard group HB

(in case of release of mineral dust, the protective measures in accordance with TRGS 559<sup>1</sup> should be applied preferably)

In accordance with Article 16e of the German Chemicals Act there is an obligation to notify the product at the Federal Institute of Risk Assessment (BfR).

Number of the product in the Poison Information Database: 5712633

### 15.2 Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out: calcium hydroxide.

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

|                      |   |                 |            |
|----------------------|---|-----------------|------------|
| Trade name:          | AQUAPANEL® SkyLite Joint Filler & Skim Coating                | Product number: | KAQ_0428   |
| Company/Undertaking: | Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn |                 |            |
| Telephone:           | +49-(0)2374-50360   | Revision date:  | 14.07.2018 |

## 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 industry consumer

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

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

### 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)  
DNEL: Derived No-Effect Level  
ICAO/IATA: International Civil Aviation Organisation/International Air Transport Association-Dangerous Goods Regulations  
IMDG-Code: International Maritime Dangerous Goods-Code  
IUCLD: International Uniform Chemical Information Database  
LGK: Lagerklasse (storage class)  
OECD: Organisation for Economic Co-operation and Development  
PBT: persistent, bioaccumulative and toxic  
PNEC: Predicted No-Effect Concentration  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
RTECS: Registry of Toxic Effects of Chemical Substances  
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)  
vPvB: very persistent and very bioaccumulative

### Literature references and sources for data

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

### Method used for the classification of the mixture

The classification was undertaken in accordance with the classification criteria of Annex I of Regulation (EC) No 1272/2008.

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

Revised sections: 2.3, 8.1, 12.2, 12.3, 12.5, 15.1, 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