

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

Revision date: 01.06.2015
Replacement of version 0013 of 20.06.2014

Version: 0014

Knauf Aquapanel GmbH & Co. KG

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

1.1 *Product identifier*

Trade name **AQUAPANEL® Q4 Finish**
Product number **KAQ_0406**
Item code **82637**

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

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

Recommended restrictions on use:

Preclude from exposure and handling this product those persons suffering from an allergy and those persons susceptible to respiratory disease.

1.3 *Company/undertaking identification*

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

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

Fax: +49-2374-5036300

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

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Telephone:	+49-(0)2374-50360	Revision date:	01.06.2015

2. Hazards identification

2.1 *Classification of the substance or mixture in accordance with Regulation (EC) No 1272/2008*

The mixture 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 in accordance with Regulation (EC) No 1272/2008*

Hazard pictogram(s): No pictogram

Signal word(s): No signal word

Product identifier: AQUAPANEL® Q4 Finish

Hazard statements: Not required

Precautionary statements: P102 Keep out of reach of children.

Supplemental label for certain mixtures:

EUH208	Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Special labelling in accordance with Article 58 (3)

of Regulation (EU) No 528/2012: Contains 1,2-benzisothiazolin-3-one and bronopol (INN) as biocidal active substances.

Remark:

- The use of the EUH208 sentence is based on the CEPE Guidance on labelling decorative paint with skin sensitizing biocides⁵.
- The statement EUH210 must only appear on the label on the packaging of mixtures not intended for the general public.
- The precautionary statement P102 must only appear on the label of packaging supplied to the general public.

2.3 *Other hazards*

Irritating effects on the eyes cannot be ruled out.

Prolonged contact with the skin can cause defatting of the skin and irritation and/or dermatitis.

Preclude from exposure and handling this product those persons suffering from an allergy and those persons susceptible to respiratory disease.

The product is classified as low hazardous to water.

The mixture does not contain any substances classified as PBT/vPvB.

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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.

3.2.1 Characterisation

This product is a mixture. It is a water-based joint-filling agent and small amounts of hydrocarbons.

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

CAS No	EC No	Identification	% by weight	Classification
52-51-7	200-143-0	Bronopol (INN)	≥ 0.01 - < 0.1	Acute Tox. 4; H302 Acute Tox. 4 ; H312 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 M-factor = 10
2634-33-5	220-120-9	1,2-benzisothiazolin-3-one	≥ 0.005 - < 0.05	Acute Tox. 4; H302 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318 Aquatic Acute 1; H400

See subsection 2.2 for further details. Full text of the hazard statements see subsection 16.2.

3.2.3 Substances which are assigned Community workplace exposure limits and which are not already included under point 3.2.2 (see also Section 8.)

No substances.

3.3 Additional information

None.

4. First aid measures

4.1 Description of first aid measures

4.1.1 General information

Take off contaminated clothing immediately and wash before reuse.

Emergency eyewash should be provided in the immediate working surroundings.

4.1.2 In case of inhalation

Ensure supply of fresh air.

4.1.3 In case of contact with skin

In case of contact with skin wash off immediately with soap and water. Do not use solvents.

By continuous complaints take medical treatment.

4.1.4 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.

4.1.5 In case of ingestion

Rinse out mouth immediately and give plenty of water to drink. Do not induce vomiting.

Never give anything by mouth to an unconscious person.

Take medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

Risk of irritating effects on the eyes.

Prolonged contact with the skin can cause defatting of the skin and irritation and/or dermatitis.

Possible allergic reaction in case of skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. No information available.

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5. Firefighting measures

5.1 *Extinguishing media*

5.1.1 *Suitable extinguishing media*

Water spray jet, alcohol-resistant foam, carbon dioxide, dry chemical extinguisher.

5.1.2 *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: carbon dioxide, carbon monoxide, nitrogen oxides.
Risk of formation of toxic pyrolysis products.

5.3 *Advice for firefighters*

Use self-contained breathing apparatus. Cool endangered containers with water spray jet.
Contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

6.1 *Personal precautions, protective equipment and emergency procedures*

6.1.1 *For non-emergency personnel*

Ensure adequate ventilation. Use personal protective clothing.
Keep away from unprotected people.

6.1.2 *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*

Pick up with suitable absorbent material (e.g. sand, soil, kieselguhr, vermiculite).
Send in suitable containers for recovery or disposal.
Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

6.4 *Reference to other sections*

For personal protective equipment see also Section 8.
For disposal considerations see also Section 13.

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7. Handling and storage

7.1 Precautions for safe handling

7.1.1 Advice on safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation.

Comply with the minimum standards in accordance with TRGS 500.¹

Moreover, comply with the protective measures in accordance with TRGS 401.¹

In designing the work process the model solutions of the protection guideline 120¹ must be taken into consideration in case of small-area skin contact (e.g. splashes) regardless on the duration of skin contact.

In designing the work process the model solutions of the protection guideline 120¹ must be taken into consideration in case of large-area skin contact (wetting of the skin) and short-term effect (duration of skin contact less than 15 minutes per shift).

In designing the work process the model solutions of the protection guidelines 120¹ and 250¹ must be taken into consideration in case of large-area skin contact (wetting of the skin) and long-term effect (duration of skin contact more than 15 minutes per shift).

7.1.2 Advice on general occupational hygiene

Avoid contact with eyes. Avoid frequent or prolonged contact with skin.

Take off contaminated clothing immediately and wash before reuse.

At work do not eat, drink, smoke or take drugs.

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.

Emergency eyewash should be provided in the immediate working surroundings.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Advice on protection against fire and explosion

No special measures necessary.

7.2.2 Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Keep only in the original container.

7.2.3 Advice on storage compatibility

Do not store together with oxidising agents, strong acids and strong alkalies.

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

7.2.4 Further information on storage conditions

Protect from frost, intensive heat and direct sunlight.

Maximum period of storage (time): unopened storage life approx. 12 months.

7.2.5 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.

This product can be used as high-quality filling material up to Q4 (premium surface).

Processing temperature: > + 10°C.

Observe technical data sheet.

In accordance with GISBAU (Information system of the the German professional associations for building and construction industry):

GISCODE⁴: M-GP01 (water based primers, pigmented)

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8. Exposure controls/personal protection

8.1 Control parameters

The product does not contain substances above cut-off values for which there are exposure limit values.

8.2 Exposure controls

8.2.1 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.

8.2.2 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.

8.2.2.1 Eye/face protection

Tightly fitting safety glasses in accordance with EN 166.

8.2.2.2 Skin protection

Hand protection:

Protective gloves made of nitrile rubber (0.11 mm; breakthrough time 8 h). Wear cotton undermitten if possible.

A list of models of suitable protective gloves for handling this product can be found under GISCODE M-GP01⁴ (water based primers, pigmented) in accordance with GISBAU (Information system of the German professional associations for building and construction industry).

Under practical conditions, the maximum wearing period can be significantly lower.

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

Body protection:

Closed work clothing.

8.2.2.3 Respiratory protection

In case of spraying, higher concentrations and if ventilation is insufficient, use a respiratory protection apparatus with respiration filter (particle filter P2).

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 have to be observed.

8.2.2.4 Thermal hazards

Not relevant.

8.2.3 Environmental exposure controls

See Section 6.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	paste
Colour:	white beige
Odour:	characteristic
Odour threshold:	no data available
pH (as supplied) (20°C):	not determined
pH (of an aqueous solution) (20°C):	not determined
Melting point/freezing point (°C):	not determined
Boiling point and boiling range (°C):	not determined
Flash point (°C), closed cup:	not relevant
Evaporation rate:	not determined
Flammability (solid, gas):	not relevant
Upper flammability or explosive limit:	not relevant
Lower flammability or explosive limit:	not relevant
Vapour pressure (20°C) (hPa):	not determined
Vapour density (20°C):	not determined
Density (g/cm ³) (20°C):	1.55 – 1.65
Solubility in water:	completely miscible
Soluble in:	not determined
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature (°C):	not pyrophoric
Decomposition temperature (°C):	not determined
Dynamic viscosity (mPa · s) (20°C):	29000 – 31000
Explosive properties:	not explosive
Oxidising properties:	not relevant
Solvent content:	1.0 – 2.0%

9.2 Other information

None.

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 with oxidising agents, strong acids and strong alkalies possible.

10.4 Conditions to avoid

No particular conditions known.

10.5 Materials to avoid

Reaction with oxidising agents, strong acids and strong alkalies possible.

10.6 Hazardous decomposition products

No decomposition if used as prescribed.

For hazardous combustion products see subsection 5.2.

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11. Toxicological information

11.1 Information on toxicological effects

11.1.1 Toxicokinetics, metabolism and distribution

No data are available for the product.

11.1.2 Acute effects (acute toxicity, irritation and corrosivity)

LD50 rat, oral	(mg/kg)	No data available.
LD50 rat, dermal	(mg/kg)	No data available.
LC50 rat, inhalation	(mg/m ³ /4h)	No data available.
Irritant effect on skin (rabbit)		No data available.
Irritant effect on eyes		No data available.

11.1.3 Sensitisation

The product has not been tested.

The product contains 1,2-benzisothiazolin-3-one. This substance is classified as sensitising.

11.1.4 Repeated dose toxicity

No data available.

11.1.5 CMR effects (carcinogenicity, mutagenicity, toxicity for the reproduction)

Carcinogenicity	No data available.
Mutagenicity	No data available.
Toxicity for the reproduction	No data available.

11.1.6 Comprehensive evaluation of the CMR properties of substances subject to registration

No data available.

11.1.7 Information on likely routes of exposure

Eye contact: irritating effects on the eyes cannot be ruled out.

Skin contact: prolonged contact with the skin can cause defatting of the skin and irritation and/or dermatitis. Possible allergic reaction in case of skin contact.

11.1.8 Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: irritating effects on the eyes cannot be ruled out.

Skin contact: prolonged contact with the skin can cause defatting of the skin and irritation and/or dermatitis. Possible allergic reaction in case of skin contact.

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

Eye contact: irritating effects on the eyes cannot be ruled out.

Skin contact: prolonged contact with the skin can cause defatting of the skin and irritation and/or dermatitis. Persons suffering from an allergy may be sensitive to very low concentrations of allergenic substances and should consequently have no further contact with this product (possibility of an allergic reaction).

11.1.10 Interactive effects

No information on interactive effects available for the product.

11.1.11 General remarks

The product has not been tested.

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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 behaviour of the product in sewage treatment plants has not been tested.

Treat by state-of-the-art technology before discharging into drains.

12.2 Persistence and degradability

The product has not been tested.

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.

12.6 Other adverse effects

Ozone depletion potential No data available.

Photochemical ozone creation potential No data available.

Global warming potential No data available.

AOX-hint Not to apply.

12.7 Further information

Chemical oxygen demand (COD) No data available.

Biochemical oxygen demand (BOD5) No data available.

The product is classified as low hazardous to water.

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

List II: biocides and their derivatives not appearing in List I.

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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 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.

13.1.1 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: 08 01 12

Waste notation: Waste paint and varnish other than those mentioned in 08 01 11

Liquid product residues:

EC waste code: 08 01 20

Waste notation: Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19

Alternative:

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

13.1.2 Contaminated packaging

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

Recommended cleansing agent: Water.

Packaging that cannot be cleaned:

EC waste code: 15 01 02

Waste notation: Plastic packaging

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 73/78 and the IBC Code

Not relevant.

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15. Regulatory information

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

15.1.1 Information regarding relevant Community provisions

Directive 2010/75/EU: 1.0 – 2.0% volatile organic compounds (VOC)
Directive 2004/42/EC: 1.0 – 2.0% volatile organic compounds (VOC)
According to Annex C of the CEPE-Guideline “Classification of Decorative Coatings into Categories for the Directive 2004/42/EC” the product is outside the scope of this Directive.

15.1.2 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): Not relevant.
Water hazard class: WGK 1 – low hazardous to water
(calculation according to KBWS)³
The Federal State Enactment for Facilities to Handle Water Endangering Substances (German VAWS–Anlagen-Verordnung) has to be observed.

German Ordinance on Hazardous Substances (in accordance with EC-Directive 98/24/EC): Articles 6, 7, 8 and 14 must be observed.
Technical Rules for Hazardous Substances¹: TRGS 400, 401, 500, 510, 555
Rules of the employers’ liability insurance association²: DGUV Regel 112-190, 112-192, 112-195
DGUV Regel 100-500, chapter 2.29
(processing of coating material)

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, 2012⁶: skin contact: hazard group HA

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for a substance in the product.

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16. Other information

- 16.1 Keeping (restrictions) Supply** Not relevant to industry consumer, for the general public
- 16.2 Full text of the hazard statements referred to under subsection 2.1 and 3.2.2 of the Safety Data Sheet**
- | | |
|------|--------------------------------------|
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
- 16.3 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 |
| AGS: | Ausschuss für Gefahrstoffe (Committee on Hazardous Substances) |
| AOX: | adsorbable organically bound halogens |
| CEPE: | Conseil Européen de l'Industrie des Peintures, des Encres d'Imprimerie et des Couleurs d'Artistes (European Council of Paint, Printing Ink and Artist's Colours Industry) |
| ICAO/IATA: | International Civil Aviation Organisation/International Air Transport Association-Dangerous Goods Regulations |
| IMDG-Code: | International Maritime Dangerous Goods-Code |
| IUCLID: | International Uniform Chemical Information Database |
| KBwS: | Commission for the Evaluation of substances hazardous to waters (Kommission Bewertung wassergefährdende Stoffe) |
| 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) |
| VOC: | volatile organic compound |
| vPvB: | very persistent and very bioaccumulative |
- 16.4 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.cepe.org/efede/public.htm#!HTML/3008>
 - <http://www.baua.de/emkg>
- 16.5 Method used for the classification of the 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.
- 16.6 Changes which have been made to the previous version of the safety data sheet**
- Revised sections:** 1.2, 2.1.1 (now 2.1), 2.1.2 (deleted), 2.2, 2.3, 3.2.2, 3.2.3 (deleted), 3.2.4 (now 3.2.3), 3.3, 4.2, 5.2, 7.1.1, 7.1.2, 8.1, 8.2.2.3, 11.1.2, 11.1.3, 11.1.7, 11.1.8, 11.1.9, 12.1, 12.7, 15.1.2, 16.2, 16.3 (deleted), 16.4 (deleted), 16.5 (now 16.3), 16.6 (now 16.4), 16.7 (now 16.5), 16.8 (now 16.6)

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.