

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

Revision date: 20.04.2020
Replacement of version 0023 of 15.07.2019

Version: 0024

Knauf Aquapanel GmbH & Co. KG

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

1.1 *Product identifier*

Trade name **AQUAPANEL® Exterior Dispersion Plaster - white**
Product number **KAQ_0400**
Item code **87268**

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

Appropriate use:
The product is used as a facade plaster/structural plaster.

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 *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 der Charité - Universitätsmedizin Berlin, Campus Benjamin Franklin, Haus VIII (Wirtschaftsgebäude), UG
Hindenburgdamm 30, 12203 Berlin
Telephone: +49-30-30686 700
(24 hours, Monday – Sunday)

SECTION 2: Hazards identification

2.1 *Classification of the substance or mixture*

Aquatic Chronic 3; H412

The product contains sensitising substances in concentrations above one tenth of the specific concentration limit which leads to a classification of the mixture as skin sensitising.

The special labelling requirements of section 2.8 of Annex II of the Regulation must be applied.

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn		
Telephone:	+49-(0)2374-50360	Revision date:	20.04.2020

2.2 Label elements

Hazard pictogram(s): No pictogram is used

Signal word(s): No signal word is used

Product identifier: AQUAPANEL® Exterior Dispersion Plaster - white

Hazard statements: H412 Harmful to aquatic life with long lasting effects.

Precautionary statements: P102 Keep out of reach of children.
P262 Do not get in eyes, on skin, or on clothing.
P273 Avoid release to the environment.
P501 Dispose of contents/container to an authorized waste disposal site.

Supplemental hazard information:
EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

Special labelling in accordance with Article 58 (3) of Regulation (EU) No 528/2012: Treated article according to Regulation (EU) No 528/2012 to ensure the stability and shelf life.
Contains pyridine-2-thiol-1-oxide, sodium salt, pyrithione zinc.

Remark:

- The precautionary statements P102 and P501 must only appear on the label of packaging supplied to the general public.
- 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.

2.3 Other hazards

Persistent or repeated contact with the skin may cause irritations.
Risk of skin defatting and skin desiccation in case of persistent or repeated contact with the skin.
Preclude from exposure and handling this product those persons suffering from an allergy and those persons susceptible to respiratory disease.
Ingestion of the product can cause disorders of the intestinal flora.
The product is classified as slightly hazardous to water.
The mixture does not contain any substances classified as PBT/vPvB in a concentration of 0.1% or more.

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

This product is a mixture.

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn	Revision date:	20.04.2020
Telephone:	+49-(0)2374-50360		

(continued from 3.2 Mixtures)

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

CAS No	EC No	Identification	% by weight	Classification
3811-73-2	223-296-5	pyridine-2-thiol-1-oxide, sodium salt	< 0.1	Acute Tox. 4; H302 Acute Tox. 3; H311 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-factor: M = 100 M-factor (chronic): M = 10
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-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 M-factor: M = 10
26530-20-1	247-761-7	2-octyl-2H-isothiazol-3-one	≥ 0.005 - < 0.05	Acute Tox. 4; H302 Acute Tox. 3; H311 Skin Corr. 1B; H314 Skin Sens. 1; H317 Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-factor: M = 1 M-factor (chronic): M = 1
13463-41-7	236-671-3	pyrithione zinc	< 0.025	Acute Tox. 3; H301 Eye Dam. 1; H318 Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-factor: M = 100 M-factor (chronic): M = 10
886-50-0	212-950-5	terbutryn	< 0.01	Acute Tox. 4; H302 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-factor: M = 100 M-factor (chronic): M = 100
2682-20-4	220-239-6	2-methylisothiazol-3(2H)-one	≥ 0.00015 – < 0.0015	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin Corr. 1B; H314 Skin Sens. 1; H317 Eye Dam. 1; H318 Acute Tox. 2; H330 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-factor (acute): M = 10 M-factor (chronic): M = 1
55965-84-9	not available	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	≥ 0.00015 – < 0.0015	Acute Tox. 3; H301 Acute Tox. 2; H310 Skin Corr. 1C; H314 Skin Sens. 1A; H317 Eye Dam. 1; H318 Acute Tox. 2; H330 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-factor: M = 100 M-factor (chronic): M = 100

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn		
Telephone:	+49-(0)2374-50360	Revision date:	20.04.2020

(continued from 3.2 Mixtures)

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

No substances.

Additional information

Specific concentration limits for 1,2-benzisothiazol-3(2H)-one in accordance with Annex VI of Regulation (EC) No 1272/2008:

Skin Sens. 1; H317: $C \geq 0.05\%$

Specific concentration limits for 2-octyl-2H-isothiazol-3-one in accordance with Annex VI of Regulation (EC) No 1272/2008:

Skin Sens. 1; H317: $C \geq 0.05\%$

Specific concentration limits for 2-methylisothiazol-3(2H)-one in accordance with Annex VI of Regulation (EC) No 1272/2008:

Skin Sens. 1; H317: $C \geq 0.0015\%$

Specific concentration limits for reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) in accordance with Annex VI of Regulation (EC) No 1272/2008:

Eye Dam. 1; H318: $C \geq 0.6\%$

Eye Irrit. 2; H319: $0.06\% \leq C < 0.6\%$

Skin Corr. 1C; H314: $C \geq 0.6\%$

Skin Irrit. 2; H315: $0.06\% \leq C < 0.6\%$

Skin Sens. 1A; H317: $C \geq 0.0015\%$

The product contains titanium dioxide. National occupational exposure limit values for various EU member states have been assigned (see subsection 8.1).

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Take off contaminated clothing immediately and wash before reuse.

Emergency eyewash should be provided in the immediate working surroundings.

In case of inhalation

Take affected person to fresh air. By continuous complaints seek medical advice.

In case of contact with skin

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

In case of ingestion

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

Do not induce vomiting. Put victim at rest. Summon a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Risk of skin defatting and skin desiccation in case of persistent or repeated contact with the skin.

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.

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn		
Telephone:	+49-(0)2374-50360	Revision date:	20.04.2020

SECTION 5: Firefighting measures

5.1 *Extinguishing media*

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, dry powder, water spray jet..

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 pyrolysis products (e.g. carbon dioxide, carbon monoxide).

5.3 *Advice for firefighters*

Wear self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

Cool endangered containers with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

Aqueous product is not combustible as long as the water fraction is present.

SECTION 6: Accidental release measures

6.1 *Personal precautions, protective equipment and emergency procedures*

For non-emergency personnel

Ensure adequate ventilation. 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*

Absorb with liquid-binding material (e.g. sand, kieselguhr, acid binder, universal binder).

Send in suitable containers for recovery or disposal.

Clean contaminated floors and objects thoroughly with detergents, do not use solvents.

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

Provide good ventilation of working area (local exhaust ventilation if necessary).

Comply with the minimum standards in accordance with TRGS 500¹.

Moreover, comply with the protective measures in accordance with TRGS 401¹.

In designing the work process the model solutions of the Control Guidance Sheet 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 Control Guidance Sheet 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 Control Guidance Sheets 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).

Advice on general occupational hygiene

Avoid contact with eyes and skin. Take off contaminated clothing immediately and wash before reuse.

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

Clean skin thoroughly after work and before breaks; apply skin cream.

Use barrier skin cream. Set out skin protection guidelines.

Emergency eyewash should be provided in the immediate working surroundings.

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn	Revision date:	20.04.2020
Telephone:	+49-(0)2374-50360		

7.2 Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

No special measures necessary.

Aqueous product is not combustible as long as the water fraction is present.

Requirements for storage rooms and vessels

Keep container tightly closed.

Keep only in the original container in a dry, well ventilated place.

Advice on storage compatibility

Do not store together with strong acidic and alkaline materials and oxidising agents.

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

Further information on storage conditions

Protect from heat and direct sunlight. Protect from frost.

Recommended storage temperature: + 5°C up to + 25°C.

Storage life: 24 months in the unopened original container.

Storage class (for Germany only)

LGK 12 (non-combustible liquids) in accordance with TRGS 510¹.

7.3 Specific end use(s)

The product is only intended for the uses mentioned under subsection 1.2.

For outdoor use. Observe technical data sheet.

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

GISCODE⁴: BSW50 (covering agents, water based, solvent-containing, protective film)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS number	Identification	Limit values	Remarks
13463-67-7	titanium dioxide	10 mg/m ³ 6 mg/m ³ total dust 5 mg/m ³ 11 mg/m ³ inhalable aerosol 10 mg/m ³ inhalable dust 1.25 mg/m ³ respirable dust 10 mg/m ³ inhalable fraction 4 mg/m ³ respirable fraction 10 mg/m ³ 10 mg/m ³ 10 mg/m ³ 5 mg/m ³ 10 mg/m ³ inhalable aerosol 5 mg/m ³ inhalable aerosol 10 mg/m ³ inhalable aerosol 4 mg/m ³ respirable aerosol	National limit values – eight hours Belgium Denmark Estonia France Germany Germany Ireland Ireland Latvia Poland Romania Slovakia Spain Sweden United Kingdom United Kingdom National limit values – short term Denmark Germany Germany Poland Romania

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® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn	Revision date:	20.04.2020
Telephone:	+49-(0)2374-50360		

(continued from 8.1 Control parameters)

PNEC values (Predicted No-Effect Concentration)

Additional limit values for 1,2-benzisothiazol-3(2H)-one in accordance with the registration dossier:

aquatic, fresh water:	4.03 µg/l
aquatic, intermittent release:	1.1 µg/l
aquatic, marine water:	0.403 µg/l
aquatic, intermittent release:	110 ng/l
aquatic, sewage treatment plant:	1.03 mg/l
sediment, fresh water:	49.9 µg/kg _{dw}
sediment, marine water:	4.99 µg/kg _{dw}
soil environment:	3 mg/kg _{dw}

Additional limit values for 2-octyl-2H-isothiazol-3-one in accordance with the registration dossier:

aquatic, fresh water:	2.2 µg/l
aquatic, intermittent release:	1.22 µg/l
aquatic, marine water:	0.22 µg/l
aquatic, intermittent release:	0.122 µg/l
sediment, fresh water:	47.5 µg/kg _{dw}
sediment, marine water:	4.75 µg/kg _{dw}
soil environment:	8.2 µg/kg _{dw}

Additional limit values for pyrithione zinc in accordance with the registration dossier:

aquatic, fresh water:	90 ng/l
aquatic, marine water:	90 ng/l
aquatic, sewage treatment plant:	0.01 mg/l
sediment, fresh water:	0.009 mg/kg _{dw}
sediment, marine water:	0.009 mg/kg _{dw}
soil environment:	1.02 mg/kg _{dw}

Additional limit values for 2-methylisothiazol-3(2H)-one in accordance with the registration dossier:

aquatic, fresh water:	3.39 µg/l
aquatic, intermittent release:	3.39 µg/l
aquatic, marine water:	3.39 µg/l
aquatic, intermittent release:	3.39 µg/l
aquatic, sewage treatment plant:	0.23 mg/l
soil environment:	0.047 mg/kg _{dw}

Additional limit values for reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) in accordance with the registration dossier:

aquatic, fresh water:	3.39 µg/l
aquatic, intermittent release:	3.39 µg/l
aquatic, marine water:	3.39 µg/l
aquatic, intermittent release:	3.39 µg/l
aquatic, sewage treatment plant:	0.23 mg/l
sediment, fresh water:	0.027 mg/kg _{dw}
sediment, marine water:	0.027 mg/kg _{dw}
soil environment:	0.01 mg/kg _{dw}

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

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 spraying: goggles.

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn		
Telephone:	+49-(0)2374-50360	Revision date:	20.04.2020

(continued from 8.2 Exposure controls)

Hand protection



Protective gloves made of nitrile rubber.
Wear cotton undermitten if possible.
The protective gloves to be used must be comply with the specifications of the standard EN 374.

Body protection

Closed work clothing. In case of spraying: single-use suit.

Respiratory protection



In case of spraying, higher concentrations and if ventilation 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.

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:	pasty
Colour:	various
Odour:	characteristic
Odour threshold:	no data available
pH (as supplied) (20°C):	9 (DIN ISO 976)
Melting point/freezing point (°C):	0
Boiling point and boiling range (°C):	100
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):	no data available
Vapour density (20°C):	not determined
Relative density:	no data available
Density (kg/l):	approx. 1.80 (DIN EN ISO 2811-1)
Solubility in water:	completely miscible
Soluble in:	not determined
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature (°C):	not relevant
Decomposition temperature (°C):	not determined
Dynamic viscosity (mPa · s) (20°C):	no data available
Explosive properties:	not explosive
Oxidising properties:	not relevant

9.2 Other information

Content of VOC:	< 1.9% (35 g/l maximum)
-----------------	-------------------------

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn		
Telephone:	+49-(0)2374-50360	Revision date:	20.04.2020

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 reaction in case of contact with strong acids, strong alkalies and oxidising agents.

10.4 Conditions to avoid

When used as intended, no particular conditions known.

10.5 Incompatible materials

Avoid contact with strong acids, strong alkalies and 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 toxicological effects**

The product 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 are available.

Serious eye damage/irritation

No data are available.

Respiratory or skin sensitisation

The product has not been tested.

The product contains 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-octyl-2H-isothiazol-3-one.

These substances are classified as sensitising.

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

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

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

Persistent or repeated contact with the skin may cause irritations.

Risk of skin defatting and skin desiccation in case of persistent or repeated contact with the skin.

Possible allergic reaction in case of skin contact.

Ingestion of the product can cause disorders of the intestinal flora.

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn	Revision date:	20.04.2020
Telephone:	+49-(0)2374-50360		

(continued from 11.1 Information on toxicological effects)

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

Persistent or repeated contact with the skin may cause irritations.

Risk of skin defatting and skin desiccation in case of persistent or repeated contact with the skin.

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).

Ingestion of the product can cause disorders of the intestinal flora.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

96 h LC50	(fish)	2.18 mg/l	(Oncorhynchus mykiss; rainbow trout)
			(1,2-benzisothiazol-3(2H)-one) (OECD Test Guideline 203)
		0.122 mg/l	(2-octyl-2H-isothiazol-3-one) (QSAR)
		3.2 µg/l	(Oncorhynchus mykiss; rainbow trout)
			(pyrithione zinc) (EPA OPP 72-1)
		4.77 mg/l	(Oncorhynchus mykiss; rainbow trout)
			(2-methylisothiazol-3(2H)-one) (OECD Test Guideline 203)
		0.19 mg/l	(Oncorhynchus mykiss; rainbow trout)
			(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)) (EPA OPP 72-1)
60 d NOEC	(fish)	2 mg/l	(2-octyl-2H-isothiazol-3-one) (QSAR)
28 d NOEC	(fish)	1.22 µg/l	(Pimephales promelas; fathead minnow)
			(pyrithione zinc) (OECD Test Guideline 210)
98 d NOEC	(fish)	2.38 mg/l	(Oncorhynchus mykiss; rainbow trout)
			(2-methylisothiazol-3(2H)-one) (OECD Test Guideline 210)
35 d NOEC	(fish)	≥ 46.4 µg/l	(Danio rerio; zebrafish)
			(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)) (OECD Test Guideline 210)
48 h EC50	(daphnia)	2.94 mg/l	(Daphnia magna)
			(1,2-benzisothiazol-3(2H)-one) (OECD Test Guideline 202)
		0.181 mg/l	(2-octyl-2H-isothiazol-3-one) (QSAR)
		8.2 µg/l	(Daphnia magna)
			(pyrithione zinc) (EPA OPP 72-2)
		0.934 mg/l	(Daphnia magna)
			(2-methylisothiazol-3(2H)-one) (OECD Test Guideline 202)
48 h LC50	(daphnia)	0.18 mg/l	(Daphnia magna)
			(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)) (EPA OPP 72-2)
21 d NOEC	(daphnia)	0.035 mg/l	(2-octyl-2H-isothiazol-3-one) (QSAR)
		22 µg/l	(Daphnia magna)
			(pyrithione zinc) (EPA OPP 72-4)
		0.044 mg/l	(Daphnia magna)
			(2-methylisothiazol-3(2H)-one) (OECD Test Guideline 211)
		0.1 mg/l	(Daphnia magna)
			(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)) (EPA OPP 72-4)
72 h ErC50	(algae)	110 µg/l	(Pseudokirchneriella subcapitata)
			(pyrithione zinc) (OECD Test Guideline 201)
72 h EC50	(algae)	6.3 µg/l	(Skeletonema costatum)
			(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)) (OECD Test Guideline 201)

Behaviour in sewage works:

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

Do not discharge into the drains.

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn		
Telephone:	+49-(0)2374-50360	Revision date:	20.04.2020

12.2 Persistence and degradability

The product has not been tested.

- 1,2-benzisothiazol-3(2H)-one:	85%/63d (OECD Test Guideline 301 C); no biodegradation under test conditions has been observed
- 2-octyl-2H-isothiazol-3-one:	28d (QSAR); not biodegradable
- pyrithione zinc:	39%/28d (OECD Test Guideline 301 B); not readily biodegradable
- 2-methylisothiazol-3(2H)-one:	55,8%/29d (OECD Test Guideline 301 B)
- reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):	62%/29d (OECD Test Guideline 301 B); readily biodegradable
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.

Partition coefficient n-octanol/water:	0.7 (20°C)	
	(1,2-benzisothiazol-3(2H)-one)	(EU method A.8)
	2.61 (25°C; pH 7)	
	(2-octyl-2H-isothiazol-3-one)	(QSAR)
	0.9 (25°C; pH 7,5 - < 7,7)	
	(pyrithione zinc)	(OECD Test Guideline 107)
	- 0.486 (25°C; pH 7)	
	(2-methylisothiazol-3(2H)-one)	(OECD Test Guideline 107)
	0.75	
	(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))	(OECD Test Guideline 107)
Bioconcentration factor BCF:	6.62 (1,2-benzisothiazol-3(2H)-one)	(registration dossier)
	1.284 (2-octyl-2H-isothiazol-3-one)	(QSAR)
	1.4 (pyrithione zinc)	(OECD Test Guideline 305 E)
	approx. 5.4	
	(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))	(OECD Test Guideline 305 E)

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

The product is classified as slightly 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.

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.
Sewage disposal must be avoided.

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.

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn	Revision date:	20.04.2020
Telephone:	+49-(0)2374-50360		

(continued from 13.1 Waste treatment methods)

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

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

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.

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn	Revision date:	20.04.2020
Telephone:	+49-(0)2374-50360		

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

Regulation (EC) No 1907/2006:	The mixture does not contain substances classified as substances of very high concern (SVHC) in accordance with Article 57 of the regulation.
Regulation (EC) No 1907/2006:	The mixture does not contain substances listed in Annex XIV of the regulation.
Directive 2004/42/EC:	The product is not subject to Directive 2004/42/EC.

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

Indications on restriction of occupation:	Not relevant
Major Accident Ordinance:	Not relevant
Fire and explosion hazards:	Not relevant
Regulation on clean air (TA Luft):	Not relevant
Water hazard class:	WGK 1 – slightly hazardous to water (deduction of the WGK according to Annex 1 No 5.2 AwSV) ³ 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 and 14 must be observed.
Technical Rules for Hazardous Substances ¹ :	TRGS 400, 401, 500, 510, 555
Rules of the employers' liability insurance association ² :	DGUV Regel 112-189, 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, 2014⁵: skin contact: hazard group HA
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).

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 industry consumer

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

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

Trade name:	AQUAPANEL® Exterior Dispersion Plaster - white	Product number:	KAQ_0400
Company/Undertaking:	Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn		
Telephone:	+49-(0)2374-50360	Revision date:	20.04.2020

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)
EPA:	Environmental Protection Agency
ICAO/IATA:	International Civil Aviation Organisation/International Air Transport Association-Dangerous Goods Regulations
IMDG-Code:	International Maritime Dangerous Goods-Code
LGK:	Lagerklasse (storage class)
OPP:	Office of Pesticide Programs
PBT:	persistent, bioaccumulative and toxic
QSAR:	Quantitative Structure-Activity Relationship
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

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: 1.4, 2.2, 2.3, 3.2, 8.1, 9.1, 11.1, 12.1, 12.2, 12.3, 12.6, 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