

Revision date: 06.04.2021 Replacement of version 0025 of 10.08.2020 Version: 0026

Knauf Aquapanel GmbH & Co. KG

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier **AQUAPANEL®** Board Primer Trade name Product number KAQ_0437 Item code 49279, 73789 1.2 Relevant identified uses of the substance or mixture and uses advised against Appropriate use: The product is used as a primer/primer coating and as a layer to promote adhesion. **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: info@gefstoff.de **Technical contact:** Knauf Aquapanel GmbH & Co. KG, Zur Helle 11, D-58638 Iserlohn Telephone: +49-2374-50360 Fax: +49-2374-5036300 1.4 Emergency telephone number Giftnotruf der Charité - Universitätsmedizin Berlin, Campus Benjamin Franklin, Haus VIII (Wirtschaftsgebäude), UG Hindenburgdamm 30, 12203 Berlin Giftnotruf Berlin +49-30-30686 700 (Advice in German and English) (24 hours, Monday – Sunday)

SECTION 2: Hazards identification

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    Classification of the substance or mixture
        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.
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Be certain, choose AQUAPANEL®



Trade nar	me: AQUAPANEL® Boar	rd Primer Product number:	KAQ_0437
Company	//Undertaking: Knauf Aquapanel Gm	ıbH & Co. KG, Zur Helle 11, D-58638 Iserlohn	
Telephon	e: +49-(0)2374-50360	Revision date:	06.04.2021
<u>1 elepnon</u>	e: +49-(0)2374-50360	Revision date:	06.04.2
	<i>Label elements</i> Hazard pictogram(s):	No pictogram	

finzard pietogram(s).		rio pietogram
Signal word(s):		No signal word
Product identifier:		AQUAPANEL [®] Board Primer
Hazard statements:		Not required
Precautionary statements:	P102 P262	Keep out of reach of children. Do not get in eyes, on skin, or on clothing.
Supplemental hazard inform	EUH208 EUH210	Contains 1,2-benzisothiazol-3(2 <i>H</i>)-one, 2-methylisothiazol-3(2 <i>H</i>)-one, reaction mass of 5-chloro-2-methyl-2 <i>H</i> -isothiazol-3-one and 2-methyl-2 <i>H</i> -isothiazol-3-one (3:1). May produce an allergic reaction. Safety data sheet available on request.

Special labelling in accordance with Article 58 (3)

of Regulation (EU) No 528/2012: Contains pyridine-2-thiol-1-oxide, sodium salt to ensure shelf life.

Remarks:

- 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

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 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].

Characterisation

This product is a mixture. It is a synthetic emulsion.

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

CAS No	EC No	Identification	% by weight	Classification
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one	$\geq 0.005 - < 0.05$	Acute Tox. 4; H302
				Skin Irrit. 2; H315
				Skin Sens. 1; H317
				Eye Dam. 1; H318
				Aquatic Acute 1; H400
				M-factor: $M = 10$
2682-20-4	220-239-6	2-methylisothiazol-3(2H)-one	\geq 0.00015 -	Acute Tox. 3; H301
			< 0.0015	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): $M = 1$





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(continued from 3.2 Mixtures)

CAS No	EC No	Identification	% by weight	Classification
55965-84-9	not available	reaction mass of 5-chloro-2-	\geq 0.00015 -	Acute Tox. 3; H301
		methyl-2H-isothiazol-3-one	< 0.0015	Acute Tox. 2; H310
		and 2-methyl-2H-isothiazol-		Skin Corr. 1C; H314
		3-one (3:1)		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) $= 100$

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

Substances for which there are Union workplace exposure limits (see also Section 8.) No substances.

Additional information

Specific concentration limits for 2-methylisothiazol-3(2*H*)-one: Skin Sens. 1A; H317: $C \ge 0.0015\%$

Specific concentration limits 1,2-benzisothiazol-3(2*H*)-one: Skin Sens. 1; H317: $C \ge 0.05\%$

Specific concentration limits for reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-

isothiazol-3-one (3:1): Eye Dam. 1; H318: $C \ge 0,6\%$ Eye Irrit. 2; H319: $0,06\% \le C < 0,6\%$ Skin Corr. 1C; H314: $C \ge 0,6\%$ Skin Irrit. 2; H315: $0,06\% \le C < 0,6\%$ Skin Sens. 1A; H317: $C \ge 0,0015\%$

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

Ensure supply of fresh air.

In case of contact with skin

In case of contact with skin wash off with soap and water. Do not try to remove product crusts from affected parts of the skin by force or by using solvents or thinner. 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. Let water be swallowed in little sips (dilution effect). Put victim at rest. Take medical treatment.

- **4.2** *Most important symptoms and effects, both acute and delayed* 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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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. Carbon dioxide, extinguishing powder, foam, water spray jet.

Unsuitable extinguishing media

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be discussed.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: carbon dioxide, carbon monoxide.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Do not inhale combustion gases. Collect contaminated firefighting water separately, must not be discharged into the drains. Cool endangered containers with water spray jet.

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. kieselguhr). Send in suitable containers for recovery or disposal. Clean contaminated floors and objects thoroughly with detergents, do not use solvents. Special danger of slipping by leaking/spilling product.

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

Ensure adequate ventilation.

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 120^1 and 250^1 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).





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(continued from 7.1 Precautions for safe handling)

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. Wash hands before breaks and after work. Protect skin by using skin protective cream. Do not try to remove product crusts from affected parts of the skin by force or by using solvents or thinner. Set out skin protection guidelines. Emergency eyewash should be provided in the immediate working surroundings.

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 container tightly closed.

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

Further information on storage conditions

Keep only in the original container. Protect from frost, intensive heat and direct sunlight. Maximum period of storage (time): unopened storage life 18 months.

Storage class (for Germany only)

LGK 12 in accordance with TRGS 5101.

7.3 Specific end use(s)

The product is only intended for the uses mentioned under subsection 1.2. Observe technical data sheet. In accordance with GISBAU (Information system of the German employers' liability insurance association for building and construction industry): GISCODE⁴: BSW20 (covering agents, water based)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain substances above cut-off values for which exposure limit values have been assigned.

8.2 *Exposure controls*

Appropriate engineering controls

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

See also subsection 7.1.

Individual protection measures, such as personal protective equipment

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.



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(continued from 8.2 Exposure controls)

Hand protection



Protective gloves made of natural latex, neoprene, nitrile rubber, PVC, butyl rubber, fluorinated 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 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 properti	es
	Physical state:	liquid
	Colour:	pink
	Odour:	slight
	Odour threshold:	no data available
	Melting point/freezing point (°C):	0
	Boiling point/initial boiling point/boiling range (°C):	100
	Flammability:	not flammable
	Lower explosion limit:	not applicable
	Upper explosion limit:	not applicable
	Flash point (°C), closed cup:	not applicable
	Auto-ignition temperature (°C):	not applicable
	Decomposition temperature (°C):	not determined
	pH (as supplied):	8
	Kinematic viscosity (mm ² /s):	5454.545
	Solubility in water:	completely miscible
	Soluble in:	not determined
	Partition coefficient: n-octanol/water (log value):	no data available
	Vapour pressure (20°C) (hPa):	23
	Density (g/cm^3) (20°C):	1.1
	Relative vapour density (20°C):	not determined
	Particle characteristics:	not applicable

9.2 Other information

None.





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SECTION 10: Stability and reactivity

10.1 Reactivity

No data available for the product.

- **10.2** *Chemical stability* The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
- **10.3** *Possibility of hazardous reactions* When used as intended, no hazardous reaction known.
- **10.4** *Conditions to avoid* When used as intended, no particular conditions known.
- **10.5** *Incompatible materials* When used as intended, no particular materials known.
- **10.6** *Hazardous decomposition products* No hazardous decomposition products known. For hazardous combustion products see subsection 5.2.

SECTION 11: Toxicological information

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

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). These substances are classified as skin 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 Possible allergic reaction in case of skin contact.

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





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11.2 *Information on other hazards* The mixture has not been tested.

Endocrine disrupting properties No data available for the mixture.

Other information

None.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:96 h LC50(fish)48 h EC50(daphnia)72 h IC50(algae)

No data available. No data available.

Behaviour in sewage works: When low concentrations are discharged correctly into adapted biological sewage treatment plants, disturbance of the degradation activity of activated sludge is not likely.

No data available.

12.2 Persistence and degradability

The product can be largely eliminated from the water by abiotic processes, e.g. adsorption by activated sludge.Do not release into waterways untreated (biological sewage treatment plant).Chemical oxygen demand (COD)Biochemical oxygen demand (BOD5)No data available.

Not to apply.

AOX-hint **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** *Endocrine disrupting properties* No data available for the mixture.

12.7 Other adverse effects

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





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(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 or ID number* No dangerous good in accordance with the UN Model Regulations (ADR/RID/ADN/IMDG/ICAO/IATA).
- **14.2** *UN proper shipping name* Not relevant.
- **14.3** *Transport hazard class(es)* Not relevant.
- **14.4** *Packing group* Not relevant.
- 14.5 *Environmental hazards* Not relevant.
- **14.6** *Special precautions for user* Not relevant.
- **14.7** *Maritime transport in bulk according to IMO instruments* Not relevant.





	ns acern (SVHC) in acc nic compounds (VC ype WB: binding p tent limit value: 30 f the product in a rea	DC) rimers g/l
 SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance of Information regarding relevant Union safety, health and environmental provision Conditions of restriction in accordance with Annex XVII Regulation (EC) No 1907/2006: None The mixture does not contain substances classified as substances of very high conwith Article 59 of the Regulation (EC) No 1907/2006. Directive 2010/75/EU: Olivective 2004/42/EC: Volume Content of condition: 1.0 g/l VO 	or mixture ons acern (SVHC) in acc nic compounds (VC ype WB: binding p tent limit value: 30 5 the product in a rea	cordance DC) rimers g/l
 SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance of Information regarding relevant Union safety, health and environmental provision Conditions of restriction in accordance with Annex XVII Regulation (EC) No 1907/2006: None The mixture does not contain substances classified as substances of very high conwith Article 59 of the Regulation (EC) No 1907/2006. Directive 2010/75/EU: Directive 2004/42/EC: Subcategory 1.1.h), ty Maximum VOC cont 	or mixture ons acern (SVHC) in acc nic compounds (VC ype WB: binding p tent limit value: 30 5 the product in a rea	cordance DC) rimers g/l
 15.1 Safety, health and environmental regulations/legislation specific for the substance of Information regarding relevant Union safety, health and environmental provision - Conditions of restriction in accordance with Annex XVII Regulation (EC) No 1907/2006: None The mixture does not contain substances classified as substances of very high conwith Article 59 of the Regulation (EC) No 1907/2006. Directive 2010/75/EU: Directive 2004/42/EC: Subcategory 1.1.h), tr Maximum VOC control Maximum content of condition: 1.0 g/l VO 	ns acern (SVHC) in acc nic compounds (VC ype WB: binding p tent limit value: 30 f the product in a rea	DC) rimers g/l
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 Conditions of restriction in accordance with Annex XVII Regulation (EC) No 1907/2006: None The mixture does not contain substances classified as substances of very high conwith Article 59 of the Regulation (EC) No 1907/2006. Directive 2010/75/EU: < 0.1% volatile organ Directive 2004/42/EC: Subcategory 1.1.h), tr Maximum VOC contwaring the substance of the sub	acern (SVHC) in acc nic compounds (VC ype WB: binding p tent limit value: 30 5 the product in a re	DC) rimers g/l
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- Directive 2004/42/EC: Subcategory 1.1.h), tr Maximum VOC cont Maximum content of condition: 1.0 g/l VO	ype WB: binding p tent limit value: 30 the product in a re	rimers g/l
Maximum VOC cont Maximum content of condition: 1.0 g/l VO	tent limit value: 30 the product in a re	g/l
Maximum content of condition: 1.0 g/l VO	the product in a re-	
condition: 1.0 g/l VO		ady to use
)C	
Information regarding national laws/national measures that may be relevant (for		
	r 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 haz	zardous to water	
(deduction of the WC	GK according to An	inex 1
No 5.2 AwSV) ³		
The German Ordinan		
substances that are ha	azardous to water (A	AwSV)
has to be observed		
German Ordinance on Hazardous Substances		
(in accordance with EC-Directive 98/24/EC): Articles 6, 7, 8 and 14		l.
Technical Rules for Hazardous Substances ¹ : TRGS 400, 401, 500,		
Rules of the employers' liability insurance association ² : DGUV Regel 112-18 Classification in accordance with the easy-to-use workplace control scheme for hazard	dous substances of	
Institute for Occupational Safety and Health, version 2.2, 2014 ⁵ : skin contact: haz	zard group HA	

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

Keeping (restrictions)	Article 8 paragraphs 5 and 6 of the German Ordinance on Hazardous Substances has to be observed. (only for Germany)
Supply	to professional user, industrial user, to the general public

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

I un text of the huzuru s	succession of the sections 2 and 5 of the Surery 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.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic 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-2 <i>H</i> -isothiazol-3-one and 2-methyl-2 <i>H</i> -isothiazol-3-one (3:1).
	May produce an allergic reaction.
EUH210	Safety data sheet available on request.





Safety data sheet in accordance with Regulation (EC) No 1907/2006			
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Telephone:	+49-(0)2374-50360	Revision date:	06.04.2021
Key or leger ADN:	nd to abbreviations and acronyms used in the safety data sheet Accord européen relatif au transport international des marchandises dang navigation intérieure	ereuses par voie de	
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		ies	
	for handling substances that are hazardous to water)		
CEPE:	Conseil Européen de l'Industrie des Peintures, des Encres d'Imprimerie e	t des Couleurs d'Arts	
	(Engrand Compatible Driveting Lule and Artist's Colorer Inductor)		

	(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
IMO:	International Maritime Organization
LGK:	Lagerklasse (storage class)
PBT:	persistent, bioaccumulative and toxic
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer
TRGS:	Technische Regeln für Gefahrstoffe (Technical Rules for Hazardous Substances)
VCI	Verband der chemischen Industrie (German Association of Chemical Industry)

- VCI: Verband der chemischen Industrie (German Association of Chemical Industry)
- vPvB: very persistent and very bioaccumulative

Literature references and sources for data

- ¹ <u>https://www.baua.de</u>
- ² <u>https://www.arbeitssicherheit.de</u>
- ³ https://www.umweltbundesamt.de
- ⁴ <u>https://www.wingisonline.de</u>
- ⁵ https://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 sheetRevised sections:3.2, 7.2, 9.1, 11.1, 11.2 (new), 12.6 (new), 12.7 (former 12.6), 14.1, 14.7, 15.1, 15.2, 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



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