

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.09.2023

Version number 1

Revision: 21.09.2023

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

#### 1.1 Product identifier

Trade name **Aqua 2SL-452-2K-Schichtlack**

Article number: 5501-5504

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

No further relevant information available.

**Application of the substance / the mixture** Wood treatment

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

Remmers GmbH

Bernhard-Remmers-Str. 13  
D-49624 Lönningen / Germany

Tel.: +49(0)5432/83-0

Fax: +49(0)5432/3985

Remmers (UK) Limited

Unit 4 , Lloyds Court

Manor Royal, Crawley – West Sussex RH10 9QU

fon +44 (0) 1293 594 010

fax +44 (0) 1293 594 037

##### Information department:

Product Safety department: Phone: +44 (0) 1293 594 010

Email: sales@remmers.co.ukk

#### 1.4 Emergency telephone number:

National Poisons Information Service (NPIS):

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the GB CLP regulation.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

##### Additional information:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Description:** Mixture of the substances listed below with harmless additions.

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| Dangerous components [% w/w]:  |  |                |
|--|--|----------------|
| CAS: 111-76-2<br>EINECS: 203-905-0<br>Index number: 603-014-00-0                                   | 2-butoxyethanol<br>Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319<br>ATE: LD50 oral: 1,200 mg/kg<br>LC50/4 h inhalative: 3 mg/l                                       | ≥5-<10%        |
| CAS: 107-98-2<br>EINECS: 203-539-1<br>Index number: 603-064-00-3                                   | 1-methoxy-2-propanol<br>Flam. Liq. 3, H226; STOT SE 3, H336  | ≥1-<2.5%       |
| CAS: 34590-94-8<br>EINECS: 252-104-2<br>Reg.nr.: 01-2119450011-60-XXXX                             | (2-methoxymethylethoxy)propanol<br>substance with a Community workplace exposure limit   | ≥1-<2.5%       |
| CAS: 107-21-1<br>EINECS: 203-473-3<br>Index number: 603-027-00-1<br>Reg.nr.: 01-2119456816-28-XXXX | ethane-1,2-diol<br>STOT RE 2, H373; Acute Tox. 4, H302   | ≥0.1-≤0.25%    |
| CAS: 126-86-3<br>EINECS: 204-809-1<br>Reg.nr.: 01-2119954390-39-XXXX                               | 2,4,7,9-tetramethyldec-5-yne-4,7-diol<br>Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 3, H412   | ≥0.1-≤0.25%    |
| CAS: 2634-33-5<br>EINECS: 220-120-9<br>Index number: 613-088-00-6                                  | 1,2-benzisothiazol-3(2H)-one<br>Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317<br>Specific concentration limit:<br>Skin Sens. 1; H317:C ≥ 0.05 % | ≥0.0015-<0.05% |

**Additional information** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**After inhalation** Seek medical treatment in case of complaints.

**After skin contact** If skin irritation continues, consult a doctor.

**After eye contact** Rinse opened eye for several minutes under running water.

**After swallowing** Seek immediate medical advice.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents** Use fire fighting measures that suit the environment.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### 5.3 Advice for firefighters

**Protective equipment:** No special measures required.

**Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

**6.2 Environmental precautions:** Dilute with plenty of water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

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See Section 13 for information on disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

No special measures required.

No special precautions necessary if used correctly.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

**Requirements to be met by storerooms and containers:** No special requirements.

**Information on storage in a common storage facility:** none

**Further information about storage conditions:** Store between 15 and 30°C.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| <b>Components with limit values that require monitoring at the workplace:</b> |  |
|---|--|
| <b>CAS: 111-76-2 2-butoxyethanol</b>  |  |
| WEL   | Short-term value: 246 mg/m <sup>3</sup> , 50 ppm<br>Long-term value: 123 mg/m <sup>3</sup> , 25 ppm<br>Sk, BMGV                            |
| <b>CAS: 107-98-2 1-methoxy-2-propanol</b>                                     |  |
| WEL   | Short-term value: 560 mg/m <sup>3</sup> , 150 ppm<br>Long-term value: 375 mg/m <sup>3</sup> , 100 ppm<br>Sk                                |
| <b>CAS: 34590-94-8 (2-methoxymethylethoxy)propanol</b>                        |  |
| WEL   | Long-term value: 308 mg/m <sup>3</sup> , 50 ppm<br>Sk  |
| <b>CAS: 107-21-1 ethane-1,2-diol</b>  |  |
| WEL   | Short-term value: 104** mg/m <sup>3</sup> , 40** ppm<br>Long-term value: 10* 52** mg/m <sup>3</sup> , 20** ppm<br>Sk *particulate **vapour |
| <b>Ingredients with biological limit values:</b>                              |  |
| <b>CAS: 111-76-2 2-butoxyethanol</b>  |  |
| BMGV  | 240 mmol/mol creatinine<br>Medium: urine<br>Sampling time: post shift<br>Parameter: butoxyacetic acid                                      |

**Additional information:** The lists that were valid during compilation were used as a basis.

### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see item 7.

**Individual protection measures, such as personal protective equipment**

#### General protective and hygienic measures

Wash hands before pauses and after work.

The following indication regarding the personal protective equipment are to be considered as suggestions. The selection of the necessary personal protective equipment is to be evaluated by the employer depending on the types of operations and the local circumstances. If a risk assessment on-site shows that there is no risk for employees, the personal protective equipment is not required or the amount of the PPE can be adapted accordingly.

#### Respiratory equipment:

In case vapours/aerosols develop:

Filter A/P2.

#### Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several

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substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

### Penetration time of glove material

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection** Safety glasses recommended during refilling.

## \* SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

|   |                         |
|---|-------------------------|
| <b>Physical state</b>   | Fluid                   |
| <b>Colour:</b>  | Whitish                 |
| <b>Odour:</b>   | Fruit-like              |
| <b>Odour threshold:</b>   | Not determined.         |
| <b>Melting point/freezing point:</b>                            | Not determined          |
| <b>Boiling point or initial boiling point and boiling range</b> | 100 °C                  |
| <b>Flammability</b>   | Not applicable.         |
| <b>Lower and upper explosion limit</b>                          |                         |
| <b>Lower:</b>   | 1.1 Vol %               |
| <b>Upper:</b>   | 10.6 Vol %              |
| <b>Flash point:</b>   | 65 °C                   |
| <b>Ignition temperature:</b>                                    | 240 °C                  |
| <b>Decomposition temperature:</b>                               | Not determined.         |
| <b>pH at 20 °C</b>  | 7.5                     |
| <b>Viscosity:</b>   |                         |
| <b>Kinematic viscosity at 20 °C</b>                             | 38 s (DIN 53211/4)      |
| <b>dynamic:</b>   | Not determined.         |
| <b>Solubility</b>   |                         |
| <b>Water:</b>   | Fully miscible          |
| <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined.         |
| <b>Vapour pressure at 20 °C:</b>                                | 23 hPa                  |
| <b>Density and/or relative density</b>                          |                         |
| <b>Density at 20 °C:</b>  | 1.023 g/cm <sup>3</sup> |
| <b>Relative density</b>   | Not determined.         |
| <b>Vapour density</b>   | Not determined.         |

### 9.2 Other information

|  |                           |
|--|---------------------------|
| <b>Appearance:</b>   |                           |
| <b>Form:</b>   | Liquid                    |
| <b>Important information on protection of health and environment, and on safety.</b> |                           |
| <b>Explosive properties:</b>   | Product is not explosive. |
| <b>Solvent separation test</b>   | < 3 %                     |
| <b>VOC EU</b>  | <140 g/l                  |
| <b>Change in condition</b>   |                           |
| <b>Solidification point:</b>   | 0 °C                      |
| <b>Evaporation rate</b>  | Not determined.           |

### Information with regard to physical hazard

|                             |      |
|-----------------------------|------|
| <b>classes</b>              |      |
| <b>Explosives</b>           | Void |
| <b>Flammable gases</b>      | Void |
| <b>Aerosols</b>             | Void |
| <b>Oxidising gases</b>      | Void |
| <b>Gases under pressure</b> | Void |
| <b>Flammable liquids</b>    | Void |

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|  |      |
|--|------|
| <b>Flammable solids</b>  | Void |
| <b>Self-reactive substances and mixtures</b>                                     | Void |
| <b>Pyrophoric liquids</b>  | Void |
| <b>Pyrophoric solids</b>   | Void |
| <b>Self-heating substances and mixtures</b>                                      | Void |
| <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| <b>Oxidising liquids</b>   | Void |
| <b>Oxidising solids</b>  | Void |
| <b>Organic peroxides</b>   | Void |
| <b>Corrosive to metals</b>   | Void |
| <b>Desensitised explosives</b>   | Void |

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:**

No decomposition if handled and stored according to specifications.

**10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidising agents

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known

## SECTION 11: Toxicological information

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

**Acute toxicity:** Based on available data, the classification criteria are not met.

#### LD/LC50 values that are relevant for classification:

##### CAS: 111-76-2 2-butoxyethanol

|            |          |  |
|------------|----------|--|
| Oral       | LD50     | 1,200 mg/kg (ATE)<br>1,480 mg/kg (rat) |
| Dermal     | LD50     | mg/kg (rabbit)                         |
| Inhalative | LC50/4 h | 3 mg/l (ATE)                           |

#### Skin corrosion/irritation:

Dries skin out.

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation:

May cause irritation.

Based on available data, the classification criteria are not met.

**Sensitisation:** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

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**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects****Additional ecological information:****General notes:** Do not allow product to reach ground water, bodies of water or sewage system.**SECTION 13: Disposal considerations****Recommendation**

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.

Packaging can be reused or recycled after cleaning.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.**SECTION 14: Transport information**

|   |  |
|---|--|
| <b>14.1 UN number or ID number</b><br>ADR, IMDG, IATA                   | Void   |
| <b>14.2 UN proper shipping name</b><br>ADR, IMDG, IATA                  | Void   |
| <b>14.3 Transport hazard class(es)</b><br>ADR, ADN, IMDG, IATA<br>Class | Void   |
| <b>14.4 Packing group</b><br>ADR, IMDG, IATA                            | Void   |
| <b>14.5 Environmental hazards:</b><br>Marine pollutant:                 | No   |
| <b>14.6 Special precautions for user</b>                                | Not applicable.  |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b>     | Not applicable.  |
| <b>Transport/Additional information:</b>                                | Not a hazardous good according to the above regulations. |
| <b>UN "Model Regulation":</b>   | Void   |

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

**Relevant phrases**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

**Classification according to Regulation (EC) No 1272/2008** Calculation method**Department issuing data specification sheet:** Product Safety department / EHS**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3