# according to Regulation (EC) No. 1907/2006 (REACH)

according to Regulation (EU) 2020/878

Article No.: A54200 AQUA Soft-Cleaner Revision date: 14.10.2022 Print date: 14.10.2022 Issue date: 13.10.2022 Version:



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

#### 1.1. Product identifier

A54200 Article No. (manufacturer/supplier)

**AQUA Soft-Cleaner** Trade name/designation

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

#### Relevant identified uses

Product for surface repair and surface polish.

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

#### Manufacturer/supplier

Heinrich König GmbH & Co. KG

Telephone: +49 (0)6101 5360 0 An der Rosenhelle 5 Telefax: +49 (0)6101 5360 11 61138 Niederdorfelden Germany E-mail: Info@heinrich-koenig.de Website: www.heinrich-koenig.de

Department responsible for information:

Telephone: +49 (0)6101 5360 71 Laboratory Only available during office hours: Mon - Thurs 08:00 to 16:00 Friday 08:00 - 12:30

E-mail (competent person) SDB@heinrich-koenig.de

1.4. **Emergency telephone number** 

> Emergency telephone number Emergency CONTACT (24-Hour-Number): GBK

> > GmbH +49 (0)6132-84463

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Aquatic Chronic 3 / H412 Hazardous to the aquatic environment Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard pictograms

#### **Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

#### **Precautionary statements**

P273 Avoid release to the environment.

P501.2 Dispose of contents/container via the national/local hazardous waste disposal.

#### Hazard components for labelling

not determined

#### Supplemental hazard information

**FUH066** Repeated exposure may cause skin dryness or cracking.

#### 23 Other hazards

No information available.

#### **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

Description Maintenance product

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No. **REACH No.** CAS No. Designation

Index No. classification: // Remark weight-%

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920-901-0	01-2119456810-40-xxxx Hydrocarbons, C11-C13, isoalkanes, <2% aromatics Asp. Tox. 1 H304 / EUH066	25 < 50
918-668-5 64742-95-6 649-356-00-4	01-2119455851-35-xxxx Hydrocarbons, C9, aromatics STOT SE 3 H335 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411 / Flam. Liq. 3 H226 / EUH066	7 < 10
223-296-5 3811-73-2	Pyridine-2-thiol 1-oxide, sodium salt Acute Tox. 4 H302 / Acute Tox. 4 H332 / Eye Dam. 1 H318 / Aquatic Acute 1 H400 (M = 100) / Aquatic Chronic 2 H411	0,01 < 0,1

#### Additional information

Full text of classification: see section 16

Labelling for contents according to regulation (EC) No. 648/2004

weight-%	Ingredient		
< 5 %	nonionic surfactant		
	Benzyl benzoate (Parfum)		

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

#### In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

#### After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

#### Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

#### Unsuitable extinguishing media

strong water jet

#### 5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

#### 5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

### **SECTION 6: Accidental release measures**

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

Ventilate affected area. Do not breathe vapours.

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#### **Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

#### Reference to other sections 6.4.

Observe protective provisions (see section 7 and 8).

### **SECTION 7: Handling and storage**

# Precautions for safe handling

#### Advices on safe handling

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

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

#### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

#### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

#### Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

#### SECTION 8: Exposure controls/personal protection

#### 8.1. **Control parameters**

### Occupational exposure limit values:

not determined

#### **DNEL:**

Hydrocarbons, C9, aromatics

Index No. 649-356-00-4 / EC No. 918-668-5 / CAS No. 64742-95-6

DNEL long-term dermal (systemic), Workers: 25 mg/kg

DNEL long-term inhalative (systemic), Workers: 150 mg/m<sup>3</sup>

DNEL long-term oral (repeated), Consumer: 11 mg/kg DNEL long-term dermal (systemic), Consumer: 11 mg/kg

DNEL long-term inhalative (systemic), Consumer: 32 mg/m<sup>3</sup>

#### **Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

## Personal protection equipment

#### Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

#### Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0.4 mm; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove

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manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

#### Eye/face protection

Wear closely fitting protective glasses in case of splashes.

#### **Body protection**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

#### **Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

#### **Environmental exposure controls**

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

#### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state:

Colour:

Odour:

Characteristic

Odour threshold:

Melting point/freezing point:

Liquid

refer to label

refer to label

not determined

Initial boiling point and boiling range: 100 °C

Method: calculated. Source: Water Combustible liquid.

Lower and upper explosion limit:

Lower explosion limit: 0,6 Vol-%

Method: calculated.

Upper explosion limit: 7 Vol-%

Method: calculated.

Source: Hydrocarbons, C9, aromatics

Flash point: > 60 °C

Method: calculated.
not determined

Auto-ignition temperature: not determined not applicable

pH at 20 °C: 7,1 / 100,0 weight-%

Cinematic viscosity (40°C): > 20,5 mm<sup>2</sup>/s

Solubility(ies):

**Flammability** 

Water solubility at 20 °C: partially soluble

Partition coefficient: n-octanol/water: see section 12

Vapour pressure at 20 °C: 1,4326 mbar

Method: calculated.

Density and/or relative density:

Relative vapour density:

particle characteristics:

Density at 20 °C: 0,87 g/cm<sup>3</sup>

not applicable not applicable

Method: calculated.

9.2. Other information

Solid content: 1,70 weight-%

solvent content:

Organic solvents: 51 weight-% Water: 46 weight-%

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## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7

#### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

#### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

#### 10.5. Incompatible materials

not applicable

#### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

#### **SECTION 11: Toxicological information**

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

#### Acute toxicity

Pyridine-2-thiol 1-oxide, sodium salt oral, LD50, Rat: 1208 mg/kg dermal, LD50, Rat: 2000 mg/kg

inhalative (vapours), LC50, Rat: 1,08 mg/L (4 h); Evaluation Harmful if swallowed or if inhaled.

Hydrocarbons, C9, aromatics oral, LD50, Rat: 3592 mg/kg

Method: OECD 401

dermal, LD50, Rabbit: > 3160 mg/kg

Method: OECD 402

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

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

oral, LD50, Rat: > 5000 mg/kg

Method: OECD 401

dermal, LD50, Rabbit: > 5000 mg/kg

Method: OECD 402

inhalative (vapours), LC50, Rat: > 5 mg/L (4 h)

Method: OECD 403

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

# Skin corrosion/irritation; Serious eye damage/eye irritation

Pyridine-2-thiol 1-oxide, sodium salt

eves

Causes serious eye damage.

#### Respiratory or skin sensitisation

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

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

# STOT-single exposure; STOT-repeated exposure

Hydrocarbons, C9, aromatics

Specific target organ toxicity (single exposure), Irritation

May cause respiratory irritation.

Specific target organ toxicity (single exposure), drowsiness

May cause drowsiness or dizziness.

#### **Aspiration hazard**

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Hydrocarbons, C9, aromatics

Aspiration hazard

May be fatal if swallowed and enters airways.

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Aspiration hazard

May be fatal if swallowed and enters airways.

#### Practical experience/human evidence

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

#### Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

#### 11.2. Information on other hazards

#### **Endocrine disrupting properties**

No information available.

### **SECTION 12: Ecological information**

Classification according to Regulation (EC) No 1272/2008 [CLP]

Do not allow to enter into surface water or drains.

#### 12.1. Toxicity

Pyridine-2-thiol 1-oxide, sodium salt

Fish toxicity, LC50, Danio rerio (zebrafish): 0,0076 mg/L (96 h); Evaluation Very toxic to aquatic organisms.

Method: OECD 203

Hydrocarbons, C9, aromatics

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 9,2 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 3,2 mg/L (48 h)

Method: OECD 202

Algae toxicity, ErC50, Pseudokirchneriella subcapitata 2,6 - 2,9 mg/L (72 h)

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

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 1000 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 1000 mg/L (48 h)

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 1000 mg/L (72 h)

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

#### Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

Pyridine-2-thiol 1-oxide, sodium salt

Fish toxicity, LC50 (96 h)Evaluation Toxic to aquatic life with long lasting effects.

Hydrocarbons, C9, aromatics

Fish toxicity, LC50 (96 h)

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 12.2. Persistence and degradability

Hydrocarbons, C9, aromatics

Biodegradation:

Readily biodegradable (according to OECD criteria).

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Biodegradation: 31,3 % (28 D)

Readily biodegradable (according to OECD criteria).

#### 12.3. Bioaccumulative potential

Toxicological data are not available.

#### **Bioconcentration factor (BCF)**

Toxicological data are not available.

#### 12.4. Mobility in soil

Toxicological data are not available.

#### 12.5. Results of PBT and vPvB assessment

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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

No information available.

#### 12.7. Other adverse effects

No information available.

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

#### Appropriate disposal / Product

#### Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

#### List of proposed waste codes/waste designations in accordance with EWC

080111\* Waste paint and varnish containing organic solvents or other dangerous substances

\*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

#### Appropriate disposal / Package

#### Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

#### **SECTION 14: Transport information**

This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

No dangerous good in sense of this transport regulation.

#### 14.1. UN number or ID number

not determined

#### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

not determined

# 14.4. Packing group

not determined

#### 14.5. Environmental hazards

Land transport (ADR/RID) not determined

Marine pollutant not determined

#### 14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

#### **Further information**

#### Land transport (ADR/RID)

Tunnel restriction code

#### Sea transport (IMDG)

EmS-No. not determined

# 14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

#### **SECTION 15: Regulatory information**

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

#### **EU** legislation

#### Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 454

## **National regulations**

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#### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

#### REACH candidate list of substances of very high concern (SVHC) for the approval process.

According to the available data and / or according to the information provided by the suppliers, the product does not contain any substance that is eligible for inclusion in Annex XIV (list of substances subject to authorization) in accordance with Article 57 in conjunction with Article 59 of REACH.

#### Regulation (EC) 1907/2006. material in question applies.Regulation (EC) 1907/2006 (REACH) Annex XIV (list of substances subject to authorization)

According to the available data and / or according to the information provided by the suppliers, the product does not contain any substance that is considered to be a substance that requires authorization according to REACH Regulation (EC) 1907/2006 Annex XIV.

#### 15.2. Chemical Safety Assessment

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

EC No. CAS No.	Designation	REACH No.
920-901-0	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	01-2119456810-40-xxxx
918-668-5 64742-95-6	Hydrocarbons, C9, aromatics	01-2119455851-35-xxxx

#### **SECTION 16: Other information**

#### Full text of classification in section 3:

Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.

## Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP] Aquatic Chronic 3 Hazardous to the aquatic environment Calculation method.

### Abbreviations and acronyms

**ADR** European Agreement concerning the International Carriage of Dangerous Goods by Road

OEL Occupational Exposure Limit Value

BLV Biological Limit Value CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging Carcinogenic, Mutagenic and Reprotoxic **CMR** 

DIN German Institute for Standardization / German industrial standard

Derived No-Effect Level DNFL

European Waste Catalogue Directive **EAKV** 

Effective Concentration EC EC **European Community** ΕN European Standard

IATA-DGR International Air Transport Association – Dangerous Goods Regulations

International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk **IBC Code** International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous ICAO-TI

Goods by Air

**IMDG** Code International Maritime Code for Dangerous Goods ISO International Organization for Standardization

LC Lethal Concentration

LD Lethal Dose

**MARPOL** Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

**OECD** Organisation for Economic Cooperation and Development

**PBT** persistent, bioaccumulative, toxic Predicted No Effect Concentration **PNEC** 

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**REACH** Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

UN United Nations

VOC Volatile Organic Compounds

vPvB very persistent and very bioaccumulative

#### **Further information**

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

You can also find current SDSs for our standard products online on our homepage under Downloads in the relevant product area.