

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

### 1.1. Product identifier

Product form : Mixture  
Product name : AQUATREAT<sup>®</sup> 130  
UFI : 4910-Q0VY-300G-REKT

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Product for cooling water treatment

| Title                                      | Use descriptors  |
|--|--|
| Industrial use of water treatment products | SU0, SU3, SU5, SU22, SU23, PC37, PROC2, PROC4, PROC8a, PROC8b, PROC9, ERC4, ESVOC SPERC 3.22a.v1 |

Full text of use descriptors: see section 16

#### 1.2.2. Uses advised against

No additional information available

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

International Aquatreat company bvba  
Industrial Zone B 122 - Nieuwlandlaan 40/42  
3200 AARSCHOT  
Belgium  
T +32 (0)16 562121  
[aquatreat@aquatreat.be](mailto:aquatreat@aquatreat.be) - [www.aquatreat.eu](http://www.aquatreat.eu)

### 1.4. Emergency telephone number

| Country | Official advisory body   | Address             | Emergency number | Comment  |
|---------|--|---------------------|------------------|--|
| Belgium | Centre Anti-Poisons/Antigifcentrum<br>c/o Hôpital Militaire Reine Astrid | Rue Bruyn 1<br>1120 | +32 70 245 245   | Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

CLP Signal word

: Warning

Contains

: sodium nitrite; Na-silicate

Hazard statements (CLP)

: H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements (CLP)

: P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name           | Product identifier   | %    | Classification according to Regulation (EC) No. 1272/2008 [CLP]        |
|----------------|--|------|--|
| sodium nitrite | CAS-No.: 7632-00-0<br>EC-No.: 231-555-9<br>EC Index-No.: 007-010-00-4<br>REACH-no: 01-2119471836-27-0000 | < 25 | Ox. Sol. 3, H272<br>Acute Tox. 3 (Oral), H301<br>Aquatic Acute 1, H400 |
| Na-silicate    | CAS-No.: 1344-09-8<br>EC-No.: 215-687-4<br>REACH-no: 01-2119448725-31-0000                               | < 25 | Met. Corr. 1, H290<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318          |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation

: Move the person to fresh air.

First-aid measures after skin contact

: Wash immediately with lots of water.

First-aid measures after eye contact

: Wash immediately with lots of water (15 minutes).

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First-aid measures after ingestion : Immediately after ingestion: give lots of water to drink. Seek medical advice immediately.

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

No additional information available

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Powder. Foam. Water.

Unsuitable extinguishing media : Not specified.

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

No additional information available

### 5.3. Advice for firefighters

No additional information available

## SECTION 6: Accidental release measures

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

General measures : Protective clothing.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Plug the leak, cut off the supply. Prevent soil and water pollution.

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

Methods for cleaning up : Clean contaminated surfaces with an excess of water.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep packing tightly closed.

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

Storage conditions : Keep container in a well ventilated place. Store away from freezing (avoid freezing during storage).

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

No additional information available

##### 8.2.2. Personal protection equipment

###### Personal protective equipment:

Protective clothing. Gloves. Safety glasses.

###### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

###### Eye protection:

Protective goggles

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable gloves, resistant to chemicals

###### Hand protection:

Gloves

##### 8.2.2.3. Respiratory protection

No additional information available

##### 8.2.2.4. Thermal hazards

No additional information available

##### 8.2.3. Environmental exposure controls

No additional information available

### SECTION 9: Physical and chemical properties

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

|                 |                 |
|-----------------|-----------------|
| Physical state  | : Liquid        |
| Colour          | : Light yellow. |
| Appearance      | : Clear.        |
| Odour           | : Odourless.    |
| Odour threshold | : Not available |

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|   |  |
|---|--|
| Melting point                                   | : Not available  |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : > 100 °C   |
| Flammability                                    | : Not available  |
| Explosive limits                                | : Not available  |
| Lower explosion limit                           | : Not available  |
| Upper explosion limit                           | : Not available  |
| Flash point                                     | : Not available  |
| Auto-ignition temperature                       | : Not available  |
| Decomposition temperature                       | : Not available  |
| pH  | : > 11   |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Water solubility: 100%.<br>Water: Completely soluble |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50°C                         | : Not available  |
| Density   | : Not available  |
| Relative density                                | : 1,16 (1,14 – 1,18)                                   |
| Relative vapour density at 20°C                 | : Not available  |
| Particle characteristics                        | : Not applicable                                       |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable at normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Freezing. (strong) acids.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

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

|                             |                         |
|-----------------------------|-------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed. |
| Acute toxicity (dermal)     | : Not classified        |
| Acute toxicity (inhalation) | : Not classified        |

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|               |             |
|---------------|-------------|
| LD50 oral rat | > 400 mg/kg |
|---------------|-------------|

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes skin irritation.<br>pH: > 11        |
| Serious eye damage/irritation     | : Causes serious eye irritation.<br>pH: > 11 |
| Respiratory or skin sensitisation | : Not classified                             |
| Germ cell mutagenicity            | : Not classified                             |
| Carcinogenicity                   | : Not classified                             |
| Reproductive toxicity             | : Not classified                             |
| STOT-single exposure              | : Not classified                             |
| STOT-repeated exposure            | : Not classified                             |
| Aspiration hazard                 | : Not classified                             |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |                  |
|---|------------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

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|                      |                                      |
|----------------------|--------------------------------------|
| LC50 - Fish [1]      | 1500-2500 mg/l (Leuciscus idus, 48h) |
| EC50 - Crustacea [1] | 60-500 mg/l (48h)                    |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                           |   |
|---------------------------|---|
| Ecology - waste materials | : Do not discharge into drains or the environment. Refer to manufacturer/supplier for information on recovery/ recycling. |
|---------------------------|---|

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### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

#### 14.1. UN number or ID number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : UN 3287        |
| UN-No. (IMDG) | : UN 3287        |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN)  | : Not applicable |
| UN-No. (RID)  | : Not applicable |

#### 14.2. UN proper shipping name

|                                       |   |
|---------------------------------------|---|
| Proper Shipping Name (ADR)            | : toxic liquid, inorganic, n.o.s., (sodium nitrite), 6.1, III, (E)              |
| Proper Shipping Name (IMDG)           | : toxic liquid, inorganic, n.o.s., (sodium nitrite), 6.1, III, (E)              |
| Proper Shipping Name (IATA)           | : Not applicable  |
| Proper Shipping Name (ADN)            | : Not applicable  |
| Proper Shipping Name (RID)            | : Not applicable  |
| Transport document description (ADR)  | : UN 3287 toxic liquid, inorganic, n.o.s., (sodium nitrite), 6.1, III, (E), III |
| Transport document description (IMDG) | : UN 3287 toxic liquid, inorganic, n.o.s., (sodium nitrite), 6.1, III, (E), III |

#### 14.3. Transport hazard class(es)

##### ADR

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (ADR) | : 6.1 |
| Danger labels (ADR)              | : 6.1 |



##### IMDG

|                                   |       |
|-----------------------------------|-------|
| Transport hazard class(es) (IMDG) | : 6.1 |
| Danger labels (IMDG)              | : 6.1 |



##### IATA

|                                   |                  |
|-----------------------------------|------------------|
| Transport hazard class(es) (IATA) | : Not applicable |
|-----------------------------------|------------------|

##### ADN

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (ADN) | : Not applicable |
|----------------------------------|------------------|

##### RID

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (RID) | : Not applicable |
|----------------------------------|------------------|

#### 14.4. Packing group

|                      |                  |
|----------------------|------------------|
| Packing group (ADR)  | : III            |
| Packing group (IMDG) | : III            |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN)  | : Not applicable |
| Packing group (RID)  | : Not applicable |

#### 14.5. Environmental hazards

|                               |  |
|-------------------------------|--|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

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### 14.6. Special precautions for user

#### Overland transport

Hazard identification number (Kemler No.) : 60  
Orange plates :



#### Transport by sea

No data available

#### Air transport

No data available

#### Inland waterway transport

No data available

#### Rail transport

No data available

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)



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### Netherlands

|  |  |
|--|--|
| ABM category   | : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment |
| SZW-lijst van kankerverwekkende stoffen              | : None of the components are listed  |
| SZW-lijst van mutagene stoffen                       | : None of the components are listed  |
| SZW-lijst van reprotoxische stoffen – Borstvoeding   | : None of the components are listed  |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | : None of the components are listed  |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling   | : None of the components are listed  |

### Denmark

|                             |   |
|-----------------------------|---|
| Danish National Regulations | : Young people below the age of 18 years are not allowed to use the product |
|-----------------------------|---|

## 15.2. Chemical safety assessment

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

sodium nitrite

## SECTION 16: Other information

|                   |   |
|-------------------|---|
| Other information | : The contents and format of this material safety data sheet are in accordance with REACH 1907/2006 and CLP-EU 1272/2008. All the given information is correct to our current knowledge. None of the indications, compositions or applications have the intention of violating existing patents. Nothing may be duplicated and/or multiplied without our written consent. |
|-------------------|---|

### Full text of H- and EUH-statements:

|                     |   |
|---------------------|---|
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3                               |
| Aquatic Acute 1     | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1                   |
| H272                | May intensify fire; oxidiser.                                   |
| H290                | May be corrosive to metals.                                     |
| H301                | Toxic if swallowed.   |
| H302                | Harmful if swallowed.   |
| H314                | Causes severe skin burns and eye damage.                        |
| H315                | Causes skin irritation.   |
| H318                | Causes serious eye damage.                                      |
| H319                | Causes serious eye irritation.                                  |
| H400                | Very toxic to aquatic life.                                     |
| Met. Corr. 1        | Corrosive to metals, Category 1                                 |
| Ox. Sol. 3          | Oxidising Solids, Category 3                                    |
| Skin Corr. 1B       | Skin corrosion/irritation, Category 1, Sub-Category 1B          |

### Full text of use descriptors

|                      |  |
|----------------------|--|
| ERC4                 | Industrial use of processing aids in processes and products, not becoming part of articles |
| ESVOC SPERC 3.22a.v1 | Water treatment chemicals: Industrial (SU10)   |
| PC37                 | Water treatment chemicals  |
| PROC2                | Use in closed, continuous process with occasional controlled exposure                      |
| PROC4                | Use in batch and other process (synthesis) where opportunity for exposure arises           |

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| Full text of use descriptors |  |
|------------------------------|--|
| PROC8a                       | Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities |
| PROC8b                       | Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities     |
| PROC9                        | Transfer of substance or mixture into small containers (dedicated filling line, including weighing)                      |
| SU0                          | Other  |
| SU22                         | Professional uses: Public domain (administration, education, entertainment, services, craftsmen)                         |
| SU23                         | Electricity, steam, gas water supply and sewage treatment  |
| SU3                          | Industrial uses: Uses of substances as such or in preparations* at industrial sites                                      |
| SU5                          | Manufacture of textiles, leather, fur  |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.