



# SAFETY DATA SHEET

prepared in accordance with Article 31 of Regulation (EC) 1907/2006 (REACH)  
and Commission Regulation (EU) 2020/878

Version  
1.1

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Trade name: AF Water Conditioner  
Chemical name: Not applicable  
EC No: Not applicable  
CAS No: Not applicable  
Index No: Not applicable  
REACH No: Not applicable  
UFI No: Not applicable

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

#### 1.2.1. Relevant identified uses

Water conditioner in freshwater fishkeeping.

#### 1.2.2. Uses advised against

None

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

Aquaforest sp. z o.o. sp. k.  
ul. Starowiejska 18  
32-800 Brzesko, POLAND  
info@aquaforest.eu  
Tel.: +48 14 691 79 79

### 1.4. Emergency telephone number

Emergency number: 112  
Manufacturer number: +48 14 691 79 79 (8.00 am-4.00 pm)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

According to the Regulation (EC) No 1272/2008:

Product is not classified as hazardous

Physical hazards: None  
Health hazards: None  
Environmental hazards: None

### 2.2. Label elements

According to the Regulation (WE) 1272/2008:

#### Pictograms:

Not applicable

#### Signal word:

Not applicable

#### Hazard statements:

Not applicable

#### Precautionary statement:

Not applicable

#### Additional labelling requirements:

Not applicable



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## 2.3. Other hazards

Product does not meet PBT or vPvB criteria according to XIII of REACH regulation.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Product is a mixture. It does not contain hazardous components at levels higher than general/specific thresholds, substances of very high concern, substances classified as PBT/vPvB, substances with national or community workplace TLVs.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

In case of contact with emergency phone number of manufacturer or medical services, get product labelled packaging or this safety data sheet.

#### Contamination of the skin

Wash contaminated skin with soap and water, rinse thoroughly. In case of persistent irritation get medical help.

#### Contamination of the eyes

Contaminated eyes rinse with open eyelids for approx. 5 min with gentle stream of water or saline. In case of persistent irritation get medical help.

#### Inhalation

Provide fresh air. If feeling unwell get medical attention.

#### Ingestion

If a large quantity have been ingested wash mouth and drink plenty of water. Get medical advice/attention, show label of the product or this SDS.

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

#### Acute symptoms

Inhalation: No data available  
Skin contamination: No data available  
Eye contamination: No data available  
Ingestion: No data available

**Delayed symptoms** – No data available

**Effects of exposure** – No data available

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

#### Note to physician:

No specific antidote, treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

All media are suitable.

#### Unsuitable extinguishing media:

Get surrounding material into consideration for suitability of extinguishing media.



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

No data available.

## 5.3. Advice for firefighters

No specific requirements regarding the product.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For non-emergency personnel:  
Ensure adequate ventilation, especially in confined areas.

For emergency responders:  
No additional requirements.

### 6.2. Environmental precautions

No special requirements. Do not allow large amounts of the product to reach sewers, surface waters, ground waters, soil.

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

Treat any spilled material with appropriate sorbent (sand, sawdust, diatomaceous earth, universal sorbent), collect mechanically, place in appropriate containers for disposal. Brush contaminated area or wash with water if necessary.

### 6.4. Reference to other sections

Personal protective equipment – section 8  
Waste disposal – section 13

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Ensure adequate ventilation, especially in confined areas. Protect from direct sunlight. Keep away from heat. Use only as intended.

Industrial hygiene

- ensure good ventilation (overall and local exhausted ventilation)
- ensure place for eyes and skin rinsing
- wash hands with soap and water before eating, smoking and after work
- use general caution while working with chemical substances

#### Specific measures against fire and explosion.

No specific requirements.

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

Store in dry rooms in closed containers. Keep away from children. Avoid contact with food and feeding stuff.

### 7.3. Specific end use(s)

No information about uses other than those mentioned in subsection 1.2.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

#### Occupational Exposure Limit Value:

Not applicable



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## DNELs (Derived No Effect Levels) available for mixture components:

| Not applicable |                  |       |               |       |                    |       |               |       |
|----------------|------------------|-------|---------------|-------|--------------------|-------|---------------|-------|
| Exposure route | WORKERS          |       |               |       | GENERAL POPULATION |       |               |       |
|                | Systemic Effects |       | Local Effects |       | Systemic Effects   |       | Local Effects |       |
|                | Long-term        | Acute | Long-term     | Acute | Long-term          | Acute | Long-term     | Acute |
| Inhalation     | -                | -     | -             | -     | -                  | -     | -             | -     |
| Dermal         | -                | -     | -             | -     | -                  | -     | -             | -     |
| Oral           | -                | -     | -             | -     | -                  | -     | -             | -     |
| Eye            | -                | -     | -             | -     | -                  | -     | -             | -     |

## 8.2. Exposure controls

### Appropriate engineering controls

General, mechanical or passive ventilation.

### Individual protection measures

#### Respiratory protection:

Not required under normal operating conditions.

#### Hand protection:

Protective gloves not really required, however recommend. All glove materials are suitable. Refer to glove supplier for information on breakthrough time for specific gloves.

#### Eye protection:

not required, recommended protective goggles.

#### Skin protection:

Normal work clothes for the chemical industry (long legs and sleeves)

### Protective equipment standards:

EN 140:2001 Respiratory protective devices – Half masks and quarter masks – Requirements, testing, marking.

EN 143:2004 Respiratory protective devices – Particle filters – Requirements, testing, marking.

EN 149+A1:2010 Respiratory protective devices – Filtering half masks to protect against particles – Requirements, testing, marking.

EN 14387+A1:2010 Respiratory protective devices – Gas filter(s) and combined filter(s) – Requirements, testing, marking.

EN 374-1:2017-01 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks.

EN 374-2:2015-04 Protective gloves against dangerous chemicals and micro-organisms – Part 2: Determination of penetration resistance.

EN 16523-1+A1:2018-11 Determination of material resistance to permeation by chemicals – Part 1: Permeation by potentially hazardous liquid chemicals under conditions of continuous contact.

EN 166:2005 Personal eye protection. Specifications.

EN 14605+A1:2010 Protective clothing against liquid chemicals – Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4]).

EN ISO 20344:2012 Personal protective equipment – Test methods for footwear

### Environmental exposure controls

No special recommendations.

## PNECs (Predicted No Effect Concentrations) for mixture components:

Not applicable

### Environment compartment

### PNEC

Freshwater:

-

Intermittent releases (freshwater):

-

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Marine water: -  
Intermittent releases (marine water): -  
Sewage treatment plant: -  
Sediment (freshwater): -  
Sediment (marine water): -  
Air: -  
Soil: -  
Hazard for Predators: -

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|   |                                 |
|---|---------------------------------|
| <b>Physical state</b>   | Liquid                          |
| <b>Colour</b>   | No data                         |
| <b>Odour</b>  | Odourless                       |
| <b>Melting point/freezing point</b>                             | Not determined                  |
| <b>Boiling point or initial boiling point and boiling range</b> | Not determined                  |
| <b>Flammability</b>   | Not applicable                  |
| <b>Lower and upper explosion limit</b>                          | Not determined                  |
| <b>Flash point</b>  | Not applicable (water solution) |
| <b>Auto-ignition temperature</b>                                | Not determined                  |
| <b>Decomposition temperature</b>                                | Not determined                  |
| <b>pH</b>   | 7,6                             |
| <b>Kinematic viscosity</b>                                      | Not determined                  |
| <b>Solubility</b>   | Fully miscible                  |
| <b>Partition coefficient n-octanol/water (log value)</b>        | Not applicable                  |
| <b>Vapour pressure</b>  | Not determined                  |
| <b>Density and/or relative density</b>                          | Not determined                  |
| <b>Relative vapour density</b>                                  | Not determined                  |
| <b>Particle characteristics</b>                                 | Not determined                  |

### 9.2. Other information

#### Information with regard to physical hazard classes

No additional data regarding physical hazards.

#### Other safety characteristics

No additional data.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Product is not a reactive mixture in foreseeable conditions of storage and handling.

### 10.2. Chemical stability

Product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal handling.

### 10.4. Conditions to avoid

Do not allow water to evaporate, solid remains has oxidizing potential.



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## 10.5. Incompatible materials

Avoid contact with acids. Avoid contact with bases

## 10.6. Hazardous decomposition products

Product does not decompose in normal conditions of storage and handling.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

Product does not contain any ingredients hazardous to health, product was not tested for health hazards. According to regulation 1272/2008 product is not classified as hazardous to health.

#### Acute toxicity:

Acute Oral Toxicity: product does not met criteria for classification.

Acute Dermal Toxicity: product does not met criteria for classification.

Acute Inhalation Toxicity: product does met criteria for classification.

#### Skin corrosion/irritation:

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

#### Serious eye damage/irritation:

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

#### Respiratory or skin 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

No data

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Product does not contain any ingredients hazardous to environment, product was not tested for environment hazards. According to regulation 1272/2008 product is not classified as hazardous to environment.

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

Not applicable



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## 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

#### Waste from residues/unused products:

Dispose of in accordance with valid regulations. Do not pour into drains. Store the mixture in its original container. Do not mix with other waste. The waste code should be assigned at the place of its production.

#### Disposing of the packaging:

Used product packaging is not hazardous packaging waste. Dispose of packaging waste in accordance with valid regulations. Do not mix with other waste. Dispose of packaging to an authorised firm.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

## SECTION 14: TRANSPORT INFORMATION

Not applicable, product is not classified as dangerous during road, sea, air transport.

### 14.1. UN number or ID number

| ADR | IMDG Code | IATA DGR |
|-----|-----------|----------|
| -   | -         | -        |

### 14.2. UN proper shipping name

| ADR | IMDG Code | IATA DGR |
|-----|-----------|----------|
| -   | -         | -        |

### 14.3. Transport hazard class(es)

| ADR | IMDG Code | IATA DGR |
|-----|-----------|----------|
| -   | -         | -        |

### 14.4. Packing group

| ADR | IMDG Code | IATA DGR |
|-----|-----------|----------|
| -   | -         | -        |

### 14.5. Environmental hazards

| ADR | IMDG Code | IATA DGR |
|-----|-----------|----------|
| -   | -         | -        |

### 14.6. Special precautions for user


| ADR | IMDG Code | IATA DGR |
|-----|-----------|----------|
| -   | -         | -        |

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

-

## SECTION 15: REGULATORY INFORMATION

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

|   |   |                                    |                                       |                       |
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Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives

Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

European agreement concerning international road transport of dangerous products (ADR)

#### 15.2. Chemical safety assessment

Chemical safety assessment was not conducted for the product.

### SECTION 16: OTHER INFORMATION

Explanation of abbreviations and acronyms used in safety data sheet

**ADR** European Agreement concerning the International Carriage of Dangerous Goods by Road under framework Directive 94/55/EC, as amended

**ATE** Acute Toxicity Estimate: acute toxicity values are expressed as (approximate) LD50 (oral, dermal) or LC50 (inhalation) values or as ATEs.

**CAS** Chemical Abstracts Service

**CPR** Cardio-pulmonary resuscitation

**DNEL** derived no-effect level

**EC number** unique seven-digit identifier assigned to substances for regulatory purposes within European Inventory of Existing Commercial Chemical Substances (EINECS)

**EC50** median effective concentration

**EINECS** European Inventory of Existing Commercial Chemical Substances

**GHS** (United Nations) Globally Harmonised System of Classification and Labelling of Chemicals: it defines the criteria internationally agreed by the United Nation Economic and Social Council (UN ECOSOC) for the classification and labelling of hazardous substances and mixtures

**ICAO** International Civil Aviation Organisation, refers to Annex 18 to the Convention on International Civil Aviation The Safe Transport of Dangerous Goods by Air

**IMDG** International Maritime Dangerous Goods Code for the transport of dangerous goods by sea

**IUPAC** International Union of Pure and Applied Chemistry

**LOEC** Lowest Observed Effect Concentration

**LD50** Lethal Dose; dose at which 50% of the animals will be expected to die.

**LC50** Lethal Concentration; standard measure of the toxicity of the surrounding medium that will kill half of the sample population of a specific test-animal in a specified period through exposure via inhalation

**NOEC** No Observed Effect Concentration

**M factor** Multiplying factor

**NICNAS** (Australia) National Industrial Chemicals Notification and Assessment Scheme

**NIOSH** (United States) National Institute of Occupational Safety and Health

**OECD** Organisation for Economic Cooperation and Development

**OSHA** (United States) Occupational Safety and Health Administration

**PBT** Persistent, bioaccumulative and toxic



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**PNEC** Predicted No Effect Concentration

**(Q)SAR** (Quantitative) Structure-Activity Relationships

**RTGD** (United Nations) Recommendations on the Transport of Dangerous Goods

**RTECS** Registry of Toxic Effects of Chemical Substances

**SVHC** Substance of Very High Concern

**Toxline** Toxicology Literature Online database

**TOXNET** Toxicology Data Network

**UFI** Unique Formula Identifier

**US EPA** United States Environmental Protection Agency

**vPvB** very Persistent and very Bioaccumulative

This SDS was prepared in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of the product was based on the content of ingredients and according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008.

## Training

Before handling with the product, the user should be familiar with the principles of health and safety regarding the handling of chemicals, and in particular undergo appropriate workplace training.

## References to key literature and data sources

The safety data sheet for this product has been created on the basis of safety data sheets of product components, literature data, online databases and possessed knowledge and experience, taking into account the currently applicable to actual legislation.

## Changes from the previous version of the safety data sheet:

Version 1.1 – adaptation to requirements of regulation 2020/878, updating of data in Sections 1-16.

The above information is based on currently available data characterizing the product as well as the experience and knowledge possessed by the manufacturer in this topic. It does not constitute a quality description of the product or promise of specific properties. It should be treated as an aid for safe handling during transport, storage and use of the product. This does not release the user from liability for incorrect use of the above information and from compliance with all legal regulations in this area.

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