

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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Printing date 08.10.2018

Version number 8

Revision: 08.08.2018

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

**\* 1.1 Product identifier**

**\* Trade name:** aquafloc 01

**\* Article number:** 605001

**\* 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** Chemical for various applications

**\* 1.3 Details of the supplier of the safety data sheet**

**\* Manufacturer/Supplier:**

aqua plus Wasser- und Recyclingsysteme GmbH  
Am Barnberg 14  
73560 Böbingen an der Rems  
Germany  
Phone: +49 7173 7144-0  
Fax: +49 7173 7144-15  
info@aqua-plus.de

**\* Emergency telephone number:**

Phone: +49 7173 7144-0

**SECTION 2: Hazards identification**

**\* 2.1 Classification of the substance or mixture**

**\* Classification according to Regulation (EC) No 1272/2008**

The substance is not classified according to the CLP regulation.

**\* 2.2 Label elements**

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

**\* Hazard pictograms** Void

**\* Signal word** Void

**\* Hazard statements** Void

**\* 2.3 Other hazards**

**\* Results of PBT and vPvB assessment**

**\* PBT:** Not applicable.

**\* vPvB:** Not applicable.

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

**\* 3.1 Chemical characterisation: Substances**

**\* CAS No. Designation:**

anionic water-soluble polymer

**\* Identification number(s):** none, polymer

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### SECTION 4: First aid measures

#### \* 4.1 Description of first aid measures

\* **General information** No special measures required.

\* **After inhalation** Supply fresh air; consult doctor in case of symptoms.

#### \* **After skin contact**

The product is not skin irritating.

Wash with plenty of soap and water.

If skin irritation continues, consult a doctor.

#### \* **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

\* **After swallowing** In case of persistent symptoms consult doctor.

#### \* 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**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

\* **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

#### \* 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Can be released in case of fire

Carbon oxides (CO<sub>x</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

#### \* 5.3 Advice for firefighters

\* **Protective equipment:** Wear self-contained breathing apparatus.

#### \* **Additional information**

Cool endangered containers with water spray jet.

Fire residues and extinguishing water must be disposed safely.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Do not breathe dust.

Avoid contact with skin and eyes.

Product forms slippery surface when combined with water.

\* **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.

\* **6.3 Methods and material for containment and cleaning up:** Collect mechanically.

#### \* 6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

### SECTION 7: Handling and storage

#### \* 7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Prevent formation of dust.

Observe workplace exposure limits.

\* **Information about protection against explosions and fires:** No special measures required.

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**\* 7.2 Conditions for safe storage, including any incompatibilities****\* Storage****\* Requirements to be met by storerooms and containers:**

Observe all relevant storage regulations for protection of water bodies.

**\* Information about storage in one common storage facility:**

Store away from foodstuffs.

Not required.

**\* Further information about storage conditions:**

Store in cool, dry conditions in well sealed containers.

**\* 7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****\* Additional information about design of technical systems:** No further data; see item 7.**\* 8.1 Control parameters****\* Components with critical values that require monitoring at the workplace:**

Observe all workplace limits for dust.

**\* DNELs** no data available**\* PNECs** no data available**\* Additional information:** The lists that were valid during the compilation were used as basis.**\* 8.2 Exposure controls****\* Personal protective equipment****\* General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

**\* Breathing equipment:**

If all applicable workplace exposure limits are observed and good ventilation is ensured, no special measures required.

Dust mask

**\* Protection of hands:** Protective gloves.**\* Material of gloves**

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.

**\* Eye protection:** Safety glasses**\* Body protection:** Protective work clothing**SECTION 9: Physical and chemical properties****\* 9.1 Information on basic physical and chemical properties****\* General Information****\* Appearance:****Form:**

Granules

**Colour:**

white

**\* Smell:**

product specific

**\* Odour threshold:**

no data available

**\* pH-value (5 g/l) at 20 °C:**

6 - 8

**\* Change in condition****Melting point/Melting range:**

Not determined

**Boiling point/Boiling range:**

not determined

**\* Flash point:**

Not applicable

**\* Inflammability (solid, gaseous)**

Product is not inflammable.

**\* Ignition temperature:**

no data available

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* <b>Decomposition temperature:</b>	no data available
* <b>Self-inflammability:</b>	no data available
* <b>Danger of explosion:</b>	Product is not explosive.
* <b>Critical values for explosion:</b>	
Lower:	no data available
Upper:	no data available
* <b>Oxidising properties</b>	no data available
* <b>Vapour pressure:</b>	no data available
* <b>Density</b>	For data of a certain product please refer to its technical data sheet.
* <b>Relative density</b>	no data available
* <b>Vapour density</b>	no data available
* <b>Evaporation rate</b>	no data available
* <b>Solubility in / Miscibility with Water at 20 °C:</b>	10 g/l miscible
* <b>Partition coefficient (n-octanol/water):</b>	no data available
* <b>Viscosity:</b>	
dynamic:	not applicable
kinematic:	not applicable
* <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- \* **10.1 Reactivity** see 10.3
- \* **10.2 Chemical stability**
- \* **Conditions to be avoided:** No decomposition if used according to specifications.
- \* **10.3 Possibility of hazardous reactions** No dangerous reactions known
- \* **10.4 Conditions to avoid** No further relevant information available.
- \* **10.5 Incompatible materials:** No further relevant information available.
- \* **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

### SECTION 11: Toxicological information

#### \* 11.1 Information on toxicological effects

##### \* Acute toxicity

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

Oral	LD50	> 5000 mg/kg (Rat)
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##### \* Primary irritant effect:

\* **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

##### \* Serious eye damage/irritation

Product may cause irritation mechanically due to its content of fine dust.

\* **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

\* **Repeated dose toxicity** no data available

\* **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** no data available

\* **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.

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- \* **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.

### SECTION 12: Ecological information

#### \* 12.1 Toxicity

##### \* **Aquatic toxicity:**

LC50 (96h)	> 1000 mg/L (Fathead minnow ( <i>Pimephales promelas</i> ))
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\* **12.2 Persistence and degradability** No further relevant information available.

\* **Other information:** The product is slightly biodegradable.

\* **12.3 Bioaccumulative potential** Not bioaccumulable.

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

##### \* **Ecotoxicological effects:**

##### \* **Behaviour in sewage processing plants:**

EC50 (96h)	> 500 mg/L (Algae)
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##### \* **Additional ecological information:**

##### \* **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

##### \* **12.5 Results of PBT and vPvB assessment**

\* **PBT:** Not applicable.

\* **vPvB:** Not applicable.

\* **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### \* 13.1 Waste treatment methods

\* **Recommendation** Disposal according to official regulations.

##### \* **Uncleaned packagings:**

\* **Recommendation:** Disposal according to official regulations.

\* **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

#### \* 14.1 UN-Number

* <b>ADR, IMDG, IATA</b>	Void
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#### \* 14.2 UN proper shipping name

* <b>ADR, IMDG, IATA</b>	Void
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#### \* 14.3 Transport hazard class(es)

* <b>ADR, IMDG, IATA</b>	Void
* <b>Class</b>	

#### \* 14.4 Packing group

* <b>ADR, IMDG, IATA</b>	Void
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* <b>14.5 Environmental hazards:</b>	Not applicable.
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* <b>14.6 Special precautions for user</b>	Not applicable.
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<b>* 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>* Transport/Additional information:</b>	No dangerous good according to the above specifications.
<b>* UN "Model Regulation":</b>	-

### SECTION 15: Regulatory information

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

##### \* National regulations

##### \* Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Water hazard classification was done according to the precondition of the VwVwS from 05-17-1999.

##### \* Other regulations, limitations and prohibitive regulations

Product resp. its monomers are listed in:

TSCA (USA)

AICS (Australia)

DSL (Canada)

EINECS (Europe)

MITI or MOL (Japan)

KECL (South Korea)

PICCS (Phillipines)

NEPA (China)

##### \* 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### \* Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

#### \* Sources Safety data sheet from the producer

#### \* \* Data compared to the previous version altered.