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

Revision: 11.03.2021

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

· **1.1 Product identifier**
· **Trade name: aquafloc® 7 CC**
· **Article number:**
PR 034 10 kg bucket
PR 051 10 kg sack
PR 035 30 kg bucket
· **EuPCS:** PC-TEC-OTH
· **UFI:** V05X-DFMN-A21W-9PN8
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the preparation:** Reaction release agent for water treatment

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

· **Manufacturer/Supplier:**
Aquaservice Industriewasserrecycling GmbH
Josef-Burger-Str. 1
D-79215 Elzach im Schwarzwald (Germany)
T: ++49 7682 921904
F: ++49 7682 921905
e-mail: info@aquaservice-gmbh.com
Internet: http://www.aquaservice-gmbh.com

· **Further information obtainable from:**
Competent person who is responsible for the safety data sheet: Dominik Wehrle
e-mail (competent person): wehrle@aquaservice-gmbh.com

· **1.4 Emergency telephone number:**
During our business hours:
Monday - Thursday: 8 a.m. - 4 p.m., Friday: 7.45 a.m. - 1.45 p.m.
T: +49 (0) 7682 921906
Outside our business hours:
Emergency call center Mainz: T: +49 (0) 6131 19240

+44 (171) 635 91 91 - National Poison Inform. Centre, Medical Toxicology Unit, Avalonley Road, London SE14 5ER

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**


GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.


GHS07

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H335 May cause respiratory irritation.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008:**
The product is classified and labelled according to the CLP regulation.

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· **Hazard pictograms:**

GHS05 GHS07

· **Signal word:** Danger

· **Hazard-determining components of labelling:**
aluminium sulphate
calcium oxide

· **Hazard statements:**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

· **Precautionary statements:**

P280	Wear protective gloves / eye protection / face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P310	Immediately call a POISON CENTER/doctor.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.

· **2.3 Other hazards:** -

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Dangerous components:**

CAS: 10043-01-3 EINECS: 233-135-0 Reg.nr.: 01-2119531538-36-xxxx	aluminium sulphate Met. Corr.1, H290; Eye Dam. 1, H318	≤ 40%
CAS: 1305-78-8 EINECS: 215-138-9 Reg.nr.: 01-2119475325-36-xxxx	calcium oxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≤ 20%

· **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**
· **General information:** Immediately remove any clothing soiled by the product.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
Remove contact lenses.
· **After swallowing:** Do not induce vomiting; call for medical help immediately.
· **Information for doctor:** -
· **4.2 Most important symptoms and effects, both acute and delayed:** -

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· **4.3 Indication of any immediate medical attention and special treatment needed:** -

SECTION 5: Firefighting measures

· **5.2 Special hazards arising from the substance or mixture**
· **Suitable extinguishing agents:**
CO_2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
· **Additional information:**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
· **6.2 Environmental precautions:**
No special measures required.
Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose of the material collected according to regulations.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Prevent formation of dust.
Avoid breathing dust.
· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
· **Further information about storage conditions:** None.
· **Storage class:** 8B
· **7.3 Specific end use(s):** -

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
10043-01-3 aluminium sulphate	
WEL (Great Britain)	Long-term value: 2 mg/m³

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1305-78-8 calcium oxide	
WEL (Great Britain)	Long-term value: 2 mg/m³
IOELV (European Union)	Short-term value: 4 mg/m³ Long-term value: 1 mg/m³ Respirable fraction

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Immediately remove all soiled and contaminated clothing
Avoid contact with the eyes.
Wash hands before breaks and at the end of work.
· **Respiratory protection:**
Filter P2
Use suitable respiratory protective device in case of insufficient ventilation.
· **Protection of hands:**
Preventive skin protection by use of skin-protecting agents is recommended.
Protective gloves and protective skin cream.
After use of gloves apply skin-cleaning agents and skin cosmetics.
· **Material of gloves:**
Protective gloves impervious to dust; e.g. Gobi 109 (with nitrile coated cotton jersey) manufacturer; KCL, D-36124 Eichenzell.
· **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:** Tightly sealed goggles
· **Body protection:** workwear

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Solid
Colour:	creme yellow
· **Odour:**	Characteristic
· **pH-value:**	7 - 8.5
· **Flash point:**	Not applicable.
· **Flammability (solid, gas):**	Product is not flammable.
· **Density:**	Not determined.
· **Solubility in / Miscibility with water:**	Slightly soluble.
· **Solvent content:**	
Organic solvents:	0.0 %

SECTION 10: Stability and reactivity

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

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· **10.2 Chemical stability:**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**
· **10.4 Conditions to avoid:** No further relevant information available.
· **10.5 Incompatible materials:**
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
· **10.6 Hazardous decomposition products:**
Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide, smoke, oxides of nitrogen (NO_x).

SECTION 11: Toxicological information

Product that gets into eyes can cause permanent damage. Eyes must be flushed immediately.

· **11.1 Information on toxicological effects**
· **Acute toxicity:** Based on available data, the classification criteria are not met.
· **Primary irritant effect:**
· **Skin corrosion/irritation:**
Causes skin irritation.
· **Serious eye damage/irritation:**
Causes serious eye damage.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **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:**
May cause respiratory irritation.
· **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

Do not allow to enter sewers/ surface or ground water.

· **12.2 Persistence and degradability:** -
· **12.3 Bioaccumulative potential:** -
· **12.4 Mobility in soil:** -
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects:** -

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **European waste catalogue:**	
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

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· **Uncleaned packaging:**
· **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR, ADN, IMDG, IATA**	Void
· **UN proper shipping name**	
· **ADR, ADN, IMDG, IATA**	Void
· **14.3 Transport hazard class(es)**	
· **ADR, ADN, IMDG, IATA**	
· **Class**	Void
· **14.4 Packing group**	
· **ADR, IMDG, IATA**	Void
· **14.5 Environmental hazards:**	- Not applicable.
· **14.6 Special precautions for user:**	-
· **UN "Model Regulation":**	Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases:**
H290 May be corrosive to metals.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
· **BfR Code:** 8412
· **Contact:** Dominik Wehrle
· **Abbreviations and acronyms:**
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
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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Met. Corr.1: Corrosive to metals – Category 1
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3