

Safety data sheet

acc. to 1907/2006/EC, Article 31 (REACH)

Trade name: AWEFLOC 8720
Article number.: S02782
printing date: Revision: 09.11.2020



1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name AWEFLOC 8720
Article number: S02782

1.2 Application

Application of the substance / the mixture: Flocculant / Flocculating agent
Formulation additive
Trash remover
Water treatment

Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.

1.3 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:

Manufacturer/Supplier AW-Electronic GmbH
Mainstraße 29
45478 Mülheim an der Ruhr
Daniel Steinert
Telephone +49(0)208-99939-0
Telefax +49(0)208-99939-40
Mail awe@aw-electronic.de

1.4 Emergency telephone number:

+49(0)208-99939-0

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):
This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void

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. Signal word Void
. Hazard statements Void

3. Composition/information on ingredients

3.1 Chemical characterisation: Mixtures

. Description: Polymer, water soluble
. Dangerous components: Void
. SVHC No
. Additional information No further relevant information available

3.2 Hazardous ingredients:

This mixture does not contain any substances presenting a health or environmental hazard within the means of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

4. First aid measures

4.1 Description of first aid measures

4.1.1 General information

No special measures required.

4.1.2 After inhalation

Supply fresh air; consult doctor in case of symptoms.

4.1.3 After skin contact

Wash with water and soap.
If skin irritation continues, consult a doctor.

4.1.4 After swallowing

Rinse out mouth and then drink plenty of water (approx. 500 ml).
In case of persistent symptoms consult doctor.

4.1.5 After eye contact

Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.

4.1.6 Most important symptoms and effects, both acute and delayed

This product is not classified as a hazardous substance.

4.1.7 Indication of any immediate medical attention and special treatment needed

No specific antidot is known. Treatment of the symptoms.

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5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents CO₂, extinguishing powder or water jet. Fight larger fires with foam

5.2 Special hazards arising from the substance or mixture

Fire can cause release of: Carbon monoxide (CO), Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Keep containers cool with water spray. In case of fire and/or explosion do not breathe fumes. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions

5.4 Additional information

Cool endangered containers with water spray jet.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.
Avoid causing dust.
Product forms slippery surface when combined with water.

6.2 Environmental precautions

Do not allow concentrated solutions to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Collect mechanically.

6.4 Reference to other sections

No dangerous materials are released.

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7. No dangerous materials are released.

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Ground/bond container and receiving equipment.

Advice on general occupational hygiene

Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities Storage

Requirements to be met by storerooms and containers: Store in cool location.

Information about storage in one common storage facility: Store away from oxidising agents.

7.3 Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Product quality requires storage between 4 °C and 32 °C.

8. Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

CAS No. Designation of material % Type Value Unit

General dust exposure limit, measured as alveolic part:

German TRGS 900 (2014): 1,25 mg/m³

Additional information: The lists that were valid during compilation were used as a basis.

8.2 Exposure controls

Risk Management Measures (RMM) are also valid for made-up preparation.

. Personal protective equipment

. General protective and hygienic measures

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

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

. Breathing equipment:

Use breathing protection in case of insufficient ventilation.

Dust mask according to DIN EN 140 or 149 (FFP1 or FFP2)

. Protection of hands:

In case of spray contact at least protection index 2 recommended,
according to more than 30 min. penetration

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time (EN 374).
Layer thickness of gloves at least: 0.4 mm
In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).
Layer thickness of gloves at least: 0.7 mm.
Breakthrough times of the glove material:
Breakthrough times and swelling properties of the material must be taken into consideration

. Material of gloves

Butyl rubber, BR
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
Natural rubber, NR
Chloroprene rubber, CR
Neoprene gloves

. 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/face protection:

Use protective eyewear to guard against splash of liquids.

. Body protection:

Light weight protective clothing

. Environmental exposure controls:

Avoid release to the environment.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

. General Information

Appearance:

Form: Granulate

Colour: White

. **Smell:** Odourless

. **Odour threshold:** not applicable

. **pH-value:** ca. 6-8 (Wasser:5 g/l)

. **Change in condition**

Melting point/Melting range: not determined

Boiling point/Boiling range: not applicable.

. **Flash point:** Not applicable

. **Inflammability (solid, gaseous)** not determined

. **Ignition temperature:** not determined

. **Decomposition temperature:** 200 °C

. **Danger of explosion:** Product is not explosive.

However, formation of explosive dust-/air mixtures is possible.

. **Critical values for explosion:**

Lower: not determined

Upper: not determined

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- . **Oxidising properties** none
- . **Steam pressure:** not determined
- . **Density**
 - Settled apparent density at 20 °C** ca. 800 kg/m³
 - Evaporation rate** not applicable
- . **Solubility in / Miscibility with**
 - Water at 20 °C:** 5 g/l limited due to viscosity
- . **Partition coefficient (n-octanol/water):** not determined
- . **Viscosity:**
 - dynamic:** ca. 4.7 Pas

9.2 Other information

No further relevant information available.

10. Stability and reactivity

10.1 Reactivity

No hazardous reactions when stored and handled according to instructions:

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Reacts with strong oxidizing agents:

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products:

At temperatures above 250 °C, depolymerisation and the release of starting monomers can arise
Nitrogen oxides (NO_x)

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11. Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

11.2 Acute toxicity

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

11.3 LD/LC50 values that are relevant for classification:

(analogy)
Oral LD50 > 5000 mg/kg (rat)
Dermal LD50 > 10000 mg/kg (rabbit)
Inhalative LC50 (4 h) > 20 mg/L (rat)

11.4 Primary irritant effect:

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

11.5 Serious eye damage/irritation

Moderate irritation

11.6 Respiratory or skin sensitisation

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

11.7 Sensitisation

Non-sensitizing.

11.8 Repeated dose toxicity

No further relevant information available.

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

No further relevant information available.

11.10 Germ cell mutagenicity

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

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11.11 Carcinogenicity

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

11.12 Reproductive toxicity

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

11.13 STOT-single exposure

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

11.14 STOT-repeated exposure

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

11.15 Aspiration hazard

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

12. Ecological information

12.1 Toxicity

Aquatic toxicity:
(analogy)
LC50 > 100 mg/L (fish)
EC50 > 100 mg/L (daphnia magna)

12.2 Persistence and degradability

The polymer component is not readily biodegradable
Other information:
modified Sturm test (OECD 301B, 28 d): < 70 %
Easy elimination possible by flocculation or adsorption by sludge.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.
Ecotoxicological effects:
Other information:
COD: ca. 900 mgO₂/g
BOD₅: ca. 10 mg O₂/g
Additional ecological information:
According to recipe contains the following heavy metals and compounds according to

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EC guideline NO. 76/464

EC:

None

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.5 Other adverse effects

No further relevant information available.

12.6 Waste treatment methods

Recommendation

May be used as flocculant in wastewater treatment.

Smaller quantities can be disposed with household garbage.

Can be burnt with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

13. Disposal considerations

13.1 Waste treatment methods

Recommendation

May be used as flocculant in wastewater treatment.

Smaller quantities can be disposed with household garbage.

Can be burnt with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

European waste catalogue

16 03 06 organic wastes other than those mentioned in 16 03 05

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

Dispose of packaging according to regulations on the disposal of packagings.

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

14. Transport information

14.1 UN-Number

ADR, IMDG, IATA void

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14.2 UN proper shipping name

ADR, IMDG, IATA void

14.3 Transport hazard class(es)

ADR, IMDG, IATA
Class void

14.4 Packing group

not assigned to a packing group

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above regulations.

UN "Model Regulation": Void

15. Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations Void

Other regulations, limitations and prohibitive regulations

General dust exposure limit, measured as alveolic part:

German TRGS 900 (2014): 1,25 mg/m³

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

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.

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Department issuing data specification sheet: Product Safety and Regulatory Affairs

Contact: MSDS@kurita.eu

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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

. **Sources:** source ECHA: European Chemicals Agency, <http://echa.europa.eu/>

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