

Date of issue: 29.11.2019 Replaces Data Sheet of: ---
 "*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



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

- 1.1 **Product identifier**
Trade Name: AlgoLon
Article No.: n.av.
Preparation No.: BG-P-FAV-(2)
Registration No.: n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Identified uses: Pond care
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 Oase GmbH, Tecklenburger Straße 161, 48477 Hörstel, Germany
 Telephone: +49 (5454) 800, Telefax: +49 (5454) 8090, E-Mail: m.dreyer@oase-livingwater.com
- 1.3.2 **Responsible for the data sheet:**
 CoSiChem AG, Ernst-Lemmer-Straße 23, 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
 Emergency - Telephone of Company / Undertaking: Markus Dreyer, Forschung und Entwicklung (8:30 – 16:30)
 National Poisons Information Service Telephone: +44 121 507 4123

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
 Acute Tox. 4; H302 / Eye Dam. 1; H318
- 2.2 **Label elements**
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Danger
 Component(s): contains: disodium carbonate, compound with hydrogen peroxide (2:3)
 Hazard pictogram(s):
- H - Phrases:**
 H302: Harmful if swallowed.
 H318: Causes serious eye damage.
- P - Phrases:**
 P102: Keep out of reach of children.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P313: Get medical advice/attention.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- Additional Markings: tactile warning of danger
- 2.3 **Other hazards**
 Decomposition product is toxic to algae.
 This mixture contains no substances which are assessed to be PBT or vPvB.



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SECTION 3: Composition/information on ingredients**3.1 Substances**

n.ap.

3.2 Mixtures**Chemical Characterisation:**

Mixture of inorganic salts.

Dangerous Ingredients:

Material	Index - No.	EC - No.	REACH - No.	m% - range
CAS - No. Hazard Code(s) / H - phrases				
Disodium carbonate, compound with hydrogen peroxide (2:3)				70 – 90%
15630-89-4 Ox. Sol. 3; H272 / Acute Tox. 4; H302 / Eye Dam. 1; H318	n.av.	239-707-6	01-2119457268-30-xxxx	
Bacteria (Risk group 1)				
n.av. n.ap.	n.av.	n.av.	nav.	

Text of H - phrases: see section 16

m% - range: $x - y \triangleq x \geq - < y$ **SECTION 4: First aid measures****4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

If symptoms persist, call a physician.

4.1.2 Skin Contact:

Wash off immediately with plenty of water.

If symptoms persist, call a physician.

4.1.3 Eye Contact:

Call a physician immediately.

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water.

Obtain medical attention. Show this safety data sheet to the doctor in attendance.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO₂, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon oxides.

5.3 Advice for firefighters**5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
See chapter 8.2.2
- 6.2 **Environmental precautions**
Do not contaminate water.
- 6.3 **Methods and material for containment and cleaning up**
Use mechanical handling equipment. Avoid dust formation. Shovel into suitable container for disposal.
- 6.4 **Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
 - 7.1.1 **Precautions for Safe Handling:**
Do not breathe dust. Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.
 - 7.1.2 **Precautions in Case of Fire and Explosion:**
Normal measures for preventive fire protection.
- 7.2 **Conditions for safe storage, including any incompatibilities**
 - 7.2.1 **Storage Instructions:**
Keep containers tightly closed in a dry, cool and well-ventilated place. Protect against humid air and water, direct sources of heat. Handle and open container with care. Avoid dust formation. Store in original container. Never return unused material to storage receptacle.
 - 7.2.2 **Store away from:**
Do not store together with combustible material.
 - 7.2.3 **Further Information on Storage Conditions:**
Keep at temperature not exceeding 40°C.
- 7.3 **Specific end use(s)**
n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**

Material	Limit Value
Disodium carbonate, compound with hydrogen peroxide (2:3)	TLV dust: 10 mg/m³ (respirable fraction); 3 mg/m³ (alveole passing fraction)
- 8.2 **Exposure controls**
 - 8.2.1 **Appropriate engineering controls**
Provide for appropriate exhaust ventilation and dust collection at machinery.
 - 8.2.2 **Individual protection measures**
 - 8.2.2a **Respiratory Protection:** In the case of respirable dust, use self-contained breathing apparatus. Recommended filter type: P 2
 - 8.2.2b **Hand Protection:** Repeated or prolonged exposure: Protective gloves complying with EN 374. Butyl-rubber (0,35 mm) break through time > 6 h
The data about break through time/strength of material are standard values!
The exact break through time/strength of material has to be obtained from the producer of the protective glove.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
 - 8.2.2c **Eye Protection:** Tightly fitting safety goggles
 - 8.2.2d **Skin Protection:** No.
 - 8.2.2e **Further Information:** Observe wearing time limits:
 - 8.2.3 **Environmental exposure controls:**
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: powder	Colour: white	Odour: odourless
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	n.av.	
	pH-value, 1% aqueous solution:	~ 10	
9.1.3	Boiling point / Boiling - range (°C):	n.av., Melting point / Melting range (°C): n.av.	
9.1.4	Flash point (°C):	n.av., closed cup	
9.1.5	Flammability (EEC A10/A13):	No.	
9.1.6	Ignition temperature (°C):	No.	
9.1.7	Autoflammability (EEC A16):	No.	
9.1.8	Oxidising properties:	No.	
		The product has been shown not to be oxidising in a test O.3 ¹⁾	
9.1.9	Explosion hazard:	None.	
9.1.10	Explosion limits (Vol.%) lower:	n.ap., upper: n.ap.	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	n.av.	
9.1.13	Solubility (in Water):	soluble	
9.1.14	Partition coefficient, n-Octanol / Water:	n.ap.	
9.1.15	Viscosity:	n.ap.	
9.1.16	Solvent content (m %):	n.ap.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity No information available.
10.2	Chemical stability Stable under normal conditions.
10.3	Possibility of hazardous reactions Decomposes by reaction with strong acids, water.
10.4	Conditions to avoid Protect against humid air and water (hygroscopic).
10.5	Incompatible materials Incompatible with acids.
10.6	Hazardous decomposition products Decomposes in contact with water, acids. Hazardous decomposition products: oxygen carbon oxides.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute Health Effects:

Inhalation:

n.av.

Ingestion:

Disodium carbonate, compound with hydrogen peroxide (2:3):

LD₅₀/oral/rat = 1034 mg / kgATE_{mix}: 1364 mg / kg

Skin Contact:

n.av.

Skin corrosion / irritation:

Slight

Serious eye damage / irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

No.

Germ cell mutagenicity:

n.av.

Carcinogenicity:

n.av.

Reproductive toxicity:

n.av.

STOT-single exposure:

n.av.

STOT-repeated exposure:

n.av.

Aspiration hazard:

n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

None.

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information**12.1 Toxicity**Active ingredient: LC₅₀ Pimephales promelas 70,7 mg/lEC₅₀ Daphnia pulex 4,9 mg/l**12.2 Persistence and degradability**

The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

n.av.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

This mixture contains no substances which are assessed to be PBT or vPvB.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD5-Value, mg/g: n.av.

12.6.3 AOX-Remarks: Not applicable.

12.6.4 Significant Components: None.

12.6.5 Other adverse effects: Not applicable.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

13.1.1 Recommendation: D10 / R 4

Waste - Code - No.:

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling: As described under Residues.

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SECTION 14: Transport information

	ADR	IMDG	IATA
	Not a dangerous substance as defined in the above regulations.		
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

SECTION 15: Regulatory information

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

(EU) 528/2012
 2000/54/EC
 2010/32/EU

15.2 **Chemical safety assessment :**

n.ap.

SECTION 16: Other information

Text of H phrases mentioned in Section 3

H272: May intensify fire; oxidiser.
 H302: Harmful if swallowed.
 H318: Causes serious eye damage.

Reference:

1) Prüfbericht 2016, Aktenzeichen 16019650, BAM, Berlin

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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