

Safety Data Sheet in Accordance with regulation 2015/830

Page 1 of 5

Date of issue: 17.01.2020 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: Water Optimizer
Article No.: n.av.
Preparation No.: BG-F-BAKTO-KLAR-TEICH-(3)
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 National Poisons Information Service
 Telephone: +49 (5454) 80450 Telephone: +44 121 507 4123
 Markus Dreyer, Forschung und Entwicklung (8:30 – 16:30)

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
 None.
- 2.2 **Label elements**
 Classification according to 1272/2008/EC: No.
 Applicable Exemptions:
 Signal word(s): n.ap. Hazard pictogram(s):
 Component(s):
- H - Phrases:**
- P - Phrases:**
- Additional Markings:
- 2.3 **Other hazards**
 This mixture contains no substances which are assessed to be PBT or vPvB.

SECTION 3: Composition/information on ingredients

- 3.1 **Substances**
 n.ap.
- 3.2 **Mixtures**
Chemical Characterisation:
 Mixture, aqueous solution
Dangerous Ingredients:
- | Material | CAS - No. | Index - No. | EC - No. | REACH - No. | m% - range |
|---------------------------------|-----------|-------------|----------|-----------------------|------------|
| Bacteria (risk groupe 1) | n.av. | n.av. | n.av. | 01-2119971580-35-xxxx | |
| n.ap. | | | | | |

Text of H - phrases: see section 16

m% - range: $x - y \triangleq x \geq - < y$

Trade Name: Water Optimizer

Company / Supplier: Oase GmbH, Tecklenburger Straße 161, 48477 Hörstel, Germany

Telephone: +49 (5454) 800, Date of issue: 17.01.2020 Replaces Data Sheet of: ---

SECTION 4: First aid measures
4.1 Description of first aid measures
4.1.1 Inhalation:

Move to fresh air.

4.1.2 Skin Contact:

Rinse with water.

4.1.3 Eye Contact:

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

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

Consult a physician for severe cases.

4.2 Most important symptoms and effects, both acute and delayed

None known.

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

None.

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.

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. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material. After cleaning, flush away traces with water.

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:

Avoid contact with skin and eyes. When using, do not eat, drink or smoke.

Take off all contaminated clothing immediately. 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:

No special precautions required.

7.2.2 Store away from:

Do not store together with strong oxidizing agents.

7.2.3 Further Information on Storage Conditions:

Protect from frost, heat and sunlight.

7.3 Specific end use(s)

n.av.

Trade Name: Water Optimizer

Company / Supplier: Oase GmbH, Tecklenburger Straße 161, 48477 Hörstel, Germany

Telephone: +49 (5454) 800, Date of issue: 17.01.2020 Replaces Data Sheet of: ---

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**
- | Material | Limit Value |
|----------|-------------|
| | |
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**
No special precautions required.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** Not required under normal use.
- 8.2.2b **Hand Protection:** Not required under normal use.
- 8.2.2c **Eye Protection:** In case of contact through splashing: safety glasses
- 8.2.2d **Skin Protection:** No.
- 8.2.2e **Further Information:** Observe wearing time limits:
- 8.2.3 **Environmental exposure controls:**
n.av.

SECTION 9: Physical and chemical properties

- 9.1 **Information on basic physical and chemical properties**
- 9.1.1 **Form:** liquid **Colour:** colourless, clear **Odour:** odourless
Odour threshold: n.av.
- 9.1.2 pH-value, undiluted: n.av.
pH-value, 1% aqueous solution: n.av.
- 9.1.3 Boiling point / Boiling - range (°C): ~ 100, Melting point / Melting range (°C): ~ 0
- 9.1.4 Flash point (°C): n.ap., closed cup
- 9.1.5 Flammability (EEC A10/A13): No.
- 9.1.6 Ignition temperature (°C): n.av.
- 9.1.7 Autoflammability (EEC A16): No.
- 9.1.8 Oxidising properties: No.
- 9.1.9 Explosion hazard: None.
- 9.1.10 Explosion limits (Vol.%) lower: n.av., upper: n.av.
- 9.1.11 Vapour pressure: n.av.
Vapour density (Air = 1): n.av.
- 9.1.12 Density (g/ml): ~ 1
- 9.1.13 Solubility (in Water): miscible
- 9.1.14 Partition coefficient, n-Octanol / Water: n.av.
- 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.

Trade Name: Water Optimizer

Company / Supplier: Oase GmbH, Tecklenburger Straße 161, 48477 Hörstel, Germany

Telephone: +49 (5454) 800, Date of issue: 17.01.2020 Replaces Data Sheet of: ---

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**
No dangerous reaction known under conditions of normal use.
- 10.4 **Conditions to avoid**
No conditions to be specially mentioned.
- 10.5 **Incompatible materials**
Incompatible with oxidizing agents.
- 10.6 **Hazardous decomposition products**
No decomposition if stored and applied as directed.
To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information

- 11.1 **Information on toxicological effects**
Acute Health Effects:
- | | |
|------------------------------------|-------|
| Inhalation: | n.av. |
| Ingestion: | n.av. |
| Skin Contact: | n.av. |
| Skin corrosion / irritation: | None. |
| Serious eye damage / irritation: | None. |
| 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**
Ecological injuries are not known or expected under normal use.
We have no quantitative data concerning the ecological effects of this product.
- 12.2 **Persistence and degradability**
No data is available on the product itself.
- 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. |

Trade Name: Water Optimizer

Company / Supplier: Oase GmbH, Tecklenburger Straße 161, 48477 Hörstel, Germany

Telephone: +49 (5454) 800, Date of issue: 17.01.2020 Replaces Data Sheet of: ---

SECTION 13: Disposal considerations
13.1 Waste treatment methods

13.1.1 Recommendation: D 10

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.

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

2000/54/EG / 2010/32/EU

15.2 Chemical safety assessment :

n.ap.

SECTION 16: Other information
Text of H phrases mentioned in Section 3

n.ap.

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.

Prepared by: CoSiChem AG, Ernst-Lemmer-Straße 23, 35041 Marburg, info@cosichem.de, +49 6421 97905 0

Receipt of Data: 07.01.2020, söl_0260

