


Date of issue: 16.08.2019 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: DEXDA ONE
 Article No.: D0120S
 Preparation No.: n.av.
 Registration No.: n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Identified uses: Water consevation / biocidal product
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 WM aquatec GmbH & Co. KG, Uracher Straße 22, 73268 Erkenbrechtsweiler, Germany
 Telephone: 49 – 7026 932 10 90, Telefax: +49 – 7026 932 10 98, E-Mail: info@wm-aquatec.de
- 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 – 761 -19240 (24 h) Telephone: +44 121 507 4123

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
 Aquatic Acute 1; H400 / Aquatic Chronic 2; H411
- 2.2 **Label elements**
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: Yes.
 Signal word(s): Warning
 Component(s):
 Hazard pictogram(s): 
- H - Phrases:**
 H400: Very toxic to aquatic life.
 H411: Toxic to aquatic life with long lasting effects.
- P - Phrases:**
 P102: Keep out of reach of children.
 P101: If medical advice is needed, have product container or label at hand.
 P273: Avoid release to the environment.
 P501: Dispose of contents/container to special waste collection point.
- 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 | Index - No. | EC - No. | REACH - No. | m% - range |
|--|-------------|-----------|-----------------------|------------|
| CAS - No.
Hazard Code(s) / H - phrases | | | | |
| Silver
7440-22-4
Aquatic Acute 1; H400 M=1000 / Aquatic Chronic 1; H410 M=100 | n.av. | 231-131-3 | 01-2119555669-21-xxxx | < 0.1% |

Text of H - phrases: see section 16
 m% - range: x – y ≙ x ≥ – < y

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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 fumes from overheating or combustion.
- 4.1.2 **Skin Contact:**
Wash off with warm 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.
- 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:**
High volume water jet.
- 5.2 **Special hazards arising from the substance or mixture**
The product itself does not burn.
- 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.
- 6.3 **Methods and material for containment and cleaning up**
Soak up with inert absorbent material. 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:**
Avoid contact with skin and eyes. When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Use biocides safely. Always read the label and product information before use.
- 7.1.2 **Precautions in Case of Fire and Explosion:**
Normal measures for preventive fire protection. The product itself does not burn.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**
Keep container tightly closed in a dry and well-ventilated place. Avoid subsoil penetration.
- 7.2.2 **Store away from:**
Do not store together with strong oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions:**
None.
- 7.3 **Specific end use(s)**
n.av.

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SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Material**

Silver

Limit Value0,1 E mg/m³, TWA: 0,5 ppm**8.2 Exposure controls****8.2.1 Appropriate engineering controls**

Ensure adequate ventilation.

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:** Not required under normal use.**8.2.2d Skin Protection:** None.**8.2.2e Further Information:** Observe wearing time limits:**8.2.3 Environmental exposure controls:**

Do not contaminate water.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****9.1.1 Form:** liquid**Colour:** colourless**Odour:** odourless**Odour threshold:** n.av.**9.1.2 pH-value, undiluted:** 6

pH-value, 1% aqueous solution: n.ap.

9.1.3 Boiling point / Boiling - range (°C): n.av., Melting point / Melting range (°C): n.av.**9.1.4 Flash point (°C):** n.ap., closed cup**9.1.5 Flammability (EEC A10/A13):** n.av.**9.1.6 Ignition temperature (°C):** n.av.**9.1.7 Autoflammability (EEC A16):** None.**9.1.8 Oxidising properties:** None.**9.1.9 Explosion hazard:** None.**9.1.10 Explosion limits (Vol.%) lower:** n.ap., upper: n.ap.**9.1.11 Vapour pressure:** n.ap.

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.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No information available.

10.2 Chemical stability

Stable under recommended storage 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.

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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: Slight
 Serious eye damage / irritation: Slight
 Respiratory or skin sensitisation: None.
 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

Silver: Acute fish toxicity LC₅₀ (96 h): 1,2 µg / L
 Toxicity to daphnia LC₅₀ (48 h): 220 ng/ L
 Toxicity to bacteria EC₁₀ (24 h): 410 - 540 ng / L

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: Silver
 12.6.5 Other adverse effects: Not applicable.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Recommendation: 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.



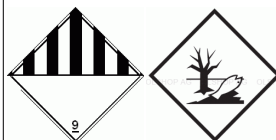
13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.
 13.2.2 Safe Handling: As described under Residues.
 Handle in accordance with good industrial hygiene and safety practice.

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SECTION 14: Transport information

	ADR	IMDG	IATA
14.1	UN number 3082	3082	3082
14.2	UN proper shipping name UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Silver)	Environmentally hazardous substance, liquid, n.o.s. (Silver) MARINE POLLUTANT	Environmentally hazardous substance, liquid, n.o.s. (Silver)
14.3	Transport hazard class(es) 9 	9 	9 
14.4	Packing group III	III	III
14.5	Environmental hazards	Yes.	
14.6	Special precautions for user Transport category: 3 Classification Code: M6 Hazard - No.: 90 LQ: 5 L	F-A, S-F	Packing Instructions (Passenger) 964 Packing Instructions (Cargo) 964
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	n.av.	

SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
(EU) 528/2012
- 15.2 **Chemical safety assessment :**
n.ap.

SECTION 16: Other information

Text of H phrases mentioned in Section 3

H400: Very toxic to aquatic life.
 H410: Very toxic to aquatic life with long lasting effects.

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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