

Date of issue: 04.08.2017 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 Complete
Article No.: DCP120CLS, DCP500CLS, DCP5000CLS
Preparation No.: n.av.
Registration No.: n.ap.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Identified uses: 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, D- 73268 Erkenbrechtsweiler
 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, D - 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
 Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
 Telephone: (24h) Telephone: +44 870 600 6266

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
Classification and labelling according to Directive 1272/2008/EC:
 Skin Irrit. 2; H315 / Eye Irrit. 2; H319 / Aquatic Acute 1; H400 / Aquatic Chronic 2; H411 /
 Met. Corr. 1; H290

- 2.2 **Label elements**
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Warning
 Component(s):

Hazard pictogram(s):



H - Phrases:

H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H400: Very toxic to aquatic life.
 H411: Toxic to aquatic life with long lasting effects.
 H290: May be corrosive to metals.

P - Phrases:

P102: Keep out of reach of children.
 P264: Wash thoroughly after handling.
 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.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P501: Dispose of contents/container to special waste collection point.

Additional Markings: None.

The above mentioned labelling is valid for distribution to private consumer& industrial user.

- 2.3 **Other hazards**
 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:**

Aqueous solution of biocides

Dangerous Ingredients:

Material	CAS - No.	Index - No.	EC - No.	REACH - No.	m% - range
Sodium hypochlorite solution 13% Cl active	7681-52-9	017-011-00-1	231-668-3	01-2119488154-34-xxxx	1 – 2,5%
Skin Corr. 1; H314 / Aquatic Acute 1; H400					
Silver	7440-22-4	n.av.	231-131-3	01-2119555669-21-xxxx	<0,1%
Aquatic Acute 1; H400 M=1000 / Aquatic Chronic 1; H410 M=100					

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 fumes from overheating or combustion.

If symptoms persist, call a physician.

4.1.2 Skin Contact:

Wash off with soap and water.

If skin irritation persists, call a physician.

4.1.3 Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

4.1.4 Ingestion:

Rinse mouth out and drink plenty of water afterwards. Do not cause vomiting.

Consult a physician. Show this safety data sheet to the doctor in attendance.

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

Symptomatic treatment.

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

In the event of fire the following can be released: Hydrogen chloride gas, chlorine, chlorine oxide.

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. Do not let product enter drains.
Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
Sweep up or vacuum up spillage and collect in 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.
Take off all contaminated clothing immediately.
Clean skin thoroughly after work and before breaks.
- 7.1.2 **Precautions in Case of Fire and Explosion:**
The product is not flammable.
- 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. Avoid subsoil penetration.
- 7.2.2 **Store away from:**
Do not store together with acids. Incompatible with oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions:**
Keep away from heat. Corrosive in contact with metals.
- 7.3 **Specific end use(s)**
n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**
- | Material | Limit Value |
|----------|--|
| Silver | 0,1 E mg/m ³ , TWA: 0,5 ppm - mg/m ³ |
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**
Provide appropriate exhaust ventilation at machinery.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** In the case of vapour formation use a respirator with filter model B-P2
- 8.2.2b **Hand Protection:** Protective gloves complying with EN 374.
Nitrile rubber (0,5 mm) break through time > 8 h.
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. 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:**
Do not contaminate water.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: liquid	Colour: colourless	Odour: slight chlorine
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	7 -11	
	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.ap.	
9.1.7	Autoflammability (EEC A16):	n.ap.	
9.1.8	Oxidising properties:	No.	
9.1.9	Explosion hazard:	No.	
9.1.10	Explosion limits (Vol.%) lower:	n.av., upper: n.av.	
9.1.11	Vapour pressure:	23 hPa	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	1,27	
9.1.13	Solubility (in Water):	completely miscible	
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	n.av.	
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
	Corrosive in contact with metals.
10.2	Chemical stability
	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions
	Hydrogen, by reaction with metals Contact with acids liberates toxic gas.
10.4	Conditions to avoid
	Direct sources of heat.
10.5	Incompatible materials
	Incompatible with oxidizing agents.
10.6	Hazardous decomposition products
	Hazardous decomposition products: Hydrogen chloride gas, chlorine oxide.

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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: Causes skin irritation.

Serious eye damage / irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: n.av.

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**

We have no quantitative data concerning the ecological effects of this product.

Very toxic to aquatic organisms.

12.2 Persistence and degradability

No data is available on the product itself.

12.3 Bioaccumulative potential

May cause long-term adverse effects in the aquatic environment.

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: The product contains organic halogens.

12.6.4 Significant Components: Silver, sodium hypochlorite solution

12.6.5 Other adverse effects: Not applicable.

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

13.1.1 Recommendation: D10

Waste - Code - No.: 03 02 02*

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. Offer rinsed packaging material to local recycling facilities.







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 1791	1791	1791
14.2	UN proper shipping name UN 1791 Hypochlorite solution	Hypochlorite solution MARINE POLLUTANT (Silver)	Hypochlorite solution
14.3	Transport hazard class(es) 8  	8  	8  
14.4	Packing group III	III	III
14.5	Environmental hazards	Yes.	
14.6	Special precautions for user Transport category: 3 Classification Code: C9 Hazard - No.: 80 LQ: 5 L	F-A, S-B	Packing Instructions (Passenger) 852 Packing Instructions (Cargo) 856
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 n.av.
15.2	Chemical safety assessment : n.ap.

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

EUH031: Contact with acids liberates toxic gas.

H314: Causes severe skin burns and eye damage.

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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