

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.10.2017

Version number 1

Revision: 25.01.2019

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

- **1.1 Product identifier**
- **Trade name: DEXDA® CLEAN Component A**
- **Article-no. DC250CD03EN**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 No further relevant information available.
- **Application of the substance / the mixture**
 Disinfectant for product type 4 (Food and feed area).
 Registration number for DEXDA® CLEAN:
 N-69077 for product type 2 (Disinfectants and algaecides not intended for direct application to humans or animals)
 for product type 3 (veterinary hygiene)
 for product type 4 (Food and feed area)
 for product type 5 (drinking water)
 for product type 11 (Preservatives for liquid-cooling and processing systems)
 for product type 12 (slimicides)
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

 WM aquatec GmbH & Co. KG
 Uracher Straße 22
 73268 Erkenbrechtsweiler

 Tel.: +49 (0) 70 26 / 93 210 90
 Fax: +49 (0) 70 26 / 93 210 98

 E-Mail: info@wm-aquatec.de
 Internet: http://www.wm-aquatec.de/
- **Further information obtainable from:**
 Department Product Safety
 info@wm-aquatec.de
 · Tel.: +49 (0) 70 26 / 93 210 90
- **1.4 Emergency telephone number:**
 · National Poisons Information Service (NPIS) NHS 111

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 7758-19-2	sodium chlorite	3-<5%
EINECS: 231-836-6	⚠ Ox. Sol. 2, H272; ⚠ Acute Tox. 3, H331; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302	

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:** Take affected persons out of danger area and lay down. Self-protection of the first aider.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water and consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Information for doctor:** If swallowed gastric lavage. During swallowing or vomiting risk of penetration into the lungs.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:** water, extinguishing foam

· **For safety reasons unsuitable extinguishing agents:** Halone, carbon tetrachloride

· **5.2 Special hazards arising from the substance or mixture**

Vapours are heavier than air and spread along the ground.

Heat up in the closed bundle lead to increase in pressure - danger of bursting.

Formation of toxic gases is possible during heating or in case of fire.

· **5.3 Advice for firefighters**

· **Protective equipment:** No special measures required.

· **Additional information** Heating up of the containers leads to increase in pressure, Berst and danger of explosion.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

All persons their stay is not necessary, from the danger area remove.

Leakages close to be received if possible without a personal risk.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation

Contact with the eyes and the skin avoid.

· **6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Take up with liquid-binding material (sand, Kieselgur, acid binder or universal binder).

Do not use: Textiles, saw dust, inflammable materials!!!

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:**
 Keep ignition sources away - Do not smoke.
 Larger quantities product to never dry up leave. Keep away from acids, reducing agents, schwefelhaltigen substances and inflammable materials such as wood, paper, straw, textiles, oil, fat, rubber, dirt, etc.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 Use only receptacles specifically permitted for this substance/product.
 Country-specific requirements for the storage of water-endangering materials consider.
 Coolly, well ventilated, cleanly, inflammable, lockably do not store. Joint-loose smooth cement floor, product-impermeable.
 Suitable ventilation devices at all containers plan.
- **Information about storage in one common storage facility:**
 Do not store together with acids, reducing agents, metal salts inflammable materials.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Wash hands before breaks and at the end of work.
 The usual precautionary measures are to be adhered to when handling chemicals.
 Keep away from foodstuffs, beverages and feed.
 Avoid contact with the eyes.
 Use skin protection cream for skin protection.
 Avoid formation of aerosol and spray mist.
 Immediately remove all soiled and contaminated clothing
- **Respiratory protection:** Filter B
- **Protection of hands:**
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
 Protective gloves made of nitrile or Viton compound e.g. Camatril Velours 730 (nitrile) or Vitojekt 980 (Viton compound of the company KCL. (Penetration time > 480 min)
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling

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- **Body protection:**
Boots
Use protective suit.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid
Colour: colorless
Odour: Characteristic

· **Change in condition**

Melting point/Melting range: 0 °C
Boiling point/Boiling range: 100 °C

· **Flash point:** Not applicable.

· **Ignition temperature:** Not applicably.

· **Decomposition temperature:** > 180 °C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20 °C:** 23 hPa

· **Density at 20 °C:** 1.005 g/cm³

· **Solubility in / Miscibility with water:** Fully miscible.

· **Solvent content:**
VOC (EC) 0.00 %

· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity**

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:** In the case of intended use no decomposition admits.

· **10.3 Possibility of hazardous reactions**

The product is reactive and an oxidizing agent. There is a risk of decomposition when exposed to heat. Contact with acids releases toxic gases.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** Impurities, metal ions, metal salts, acids, reducing agent, inflammable materials.

· **10.6 Hazardous decomposition products:** Chlorine dioxide (ClO₂)

· **Additional information:**

Product to dry up do not leave. On inflammable materials (wood, paper, textiles) dried up product makes this material easily inflammable

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity**

· **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)		
Inhalative	LC50/4 h	188 mg/l (rat)

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7758-19-2 sodium chlorite

Oral	LD50	1136 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
Inhalative	LC50/4 h	0.75 mg/l (rat)

• **Primary irritant effect:**

- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

• **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: Ecological information

• **12.1 Toxicity**

• **Aquatic toxicity:**

7758-19-2 sodium chlorite

LC50 Fischtoxizität	> 500 mg/l / 96 h (Brachydanio rerio)
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- **12.2 Persistence and degradability** No data available.
- **12.3 Bioaccumulative potential** No data available.
- **Behaviour in environmental systems:** No data available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

• **13.1 Waste treatment methods**

- **Recommendation** Smaller quantities can be disposed of with household waste.

• **European waste catalogue**

Für dieses Produkt kann keine Abfallschlüsselnummer gemäß europäischem Abfallkatalog (EAK) festgelegt werden, da erst der Verwendungszweck durch den Verbraucher eine Zurordnung erlaubt.

• **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

No danger property in the sense of the transportation regulation.

• **14.1 UN-Number**

- **ADR, ADN, IMDG, IATA**

Void

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<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class 	Void
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.5 Environmental hazards: 	Not applicable.
<ul style="list-style-type: none"> · 14.6 Special precautions for user 	Not applicable.
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · UN "Model Regulation": 	-

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
- **Recommended restriction of use**
CAUTION!
After activation of the 2 component system, the safety data sheet DEXDA® CLEAN- aktiviert needs to be considered.
- **Department issuing MSDS:** Department Product Safety
- **Contact:**
WM aquatec
Michael Würtemberger
- **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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Ox. Sol. 2: Oxidising Solids, Hazard Category 2
Acute Tox. 4: Acute toxicity, Hazard Category 4
Acute Tox. 3: Acute toxicity, Hazard Category 3
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
- *** Data compared to the previous version altered.**

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Annex: Exposure scenario

- **Short title of the exposure scenario**
- **Sector of Use**
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 - SU4 Manufacture of food products
- **Product category** PC37 Water treatment chemicals
- **Process category**
 - PROC1 Use in closed process, no likelihood of exposure
 - PROC2 Use in closed, continuous process with occasional controlled exposure
 - PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
 - PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
- **Environmental release category**
 - ERC8d Wide dispersive outdoor use of processing aids in open systems
 - ERC8a Wide dispersive indoor use of processing aids in open systems
 - ERC4 Industrial use of processing aids in processes and products, not becoming part of articles
- **Description of the activities / processes covered in the Exposure Scenario**
 See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** Short-term.
- **Worker** Occasional application with short-time exposure.
- **Physical parameters**
- **Physical state** Liquid
- **Concentration of the substance in the mixture** The substance is main component.
- **Used amount per time or activity** According to directions for use.
- **Other operational conditions**
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** Provide Internal Plant Instruction.
- **Technical protective measures** Keep receptacles tightly sealed.
- **Measures for consumer protection**
 - Use packaging with child-proof cap.
 - Keep locked up and out of the reach of children.
 - Keep out of reach of children.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Worker (oral)** No significant oral exposure
- **Worker (dermal)** No significant dermal exposure
- **Worker (inhalation)** No significant inhalative exposure
- **Consumer** The exposure estimation was carried out in accordance with ECETOC TRA.