

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

Printing date 10.11.2021

Version number 7

Revision: 10.11.2021

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

- **1.1 Product identifier**
- **Trade name:** DEXDA® CLEAN ACTIVATED
- **Article number:** DC100CD03EN, DC250CD03EN, DC1000CD03
- **Registration number -**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Uses other than the identified uses listed below.
- **Application of the substance / the mixture** disinfectant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
WM aquatec GmbH & Co.KG
Uracher Str.22
73268 Erkenbrechtsweiler

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

E-Mail: info@wm-aquatec.de
Internet: 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**
Eye Irrit. 2 H319 Causes serious eye irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.
- **Additional information:** Use the biocidal product carefully. Always read the label and product information before use.
- **2.3 Other hazards**
to note: Above the solution, a gas phase with 3 vol% chlorine dioxide forms.
The chlorine dioxide gas is classified as "irritant" and "very toxic to aquatic organisms".
This must be observed when handling.
This chlorine dioxide solution was generated from the two components A and B.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

GB

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

Printing date 10.11.2021

Version number 7

Revision: 10.11.2021

Trade name: DEXDA® CLEAN ACTIVATED

(Contd. of page 1)

 · **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· **Dangerous components:**

CAS: 10049-04-4	chlorine dioxide	☠ Acute Tox. 3, H301; ☠ Skin Corr. 1B, H314; ☠ Aquatic Acute 1, H400 (M=10)	≤0.3%
EINECS: 233-162-8			

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

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information:**

Position and transport stably in side position.

Personal protection for the First Aider.

Symptoms of poisoning can occur only after many hours, therefore medical supervision at least 48 hours after an accident.

Take affected persons out of danger area and lay down.

Give oxygen if breathing is difficult.

· **After inhalation:**

Ensure fresh air.

In case of dyspnea, allow oxygen to be inhaled, if necessary give a breath.

Call a doctor immediately.

· **After skin contact:**

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

Take off contaminated clothing and wash before reuse.

· **After eye contact:**

Open your eyes wide with both hands and rinse thoroughly under running water for at least 15 minutes. Contact an ophthalmologist immediately.

· **After swallowing:**

Open your eyes wide with both hands and rinse thoroughly under running water for at least 15 minutes. Contact an ophthalmologist immediately.

Seek immediate medical advice.

Show packaging or label.

· **Information for doctor:**

After inhalation of chlorine dioxide, aerosol or spray: Phophylaxe of a late oedema.

After eye contact: Give the same therapy as when burning with acid.

After ingestion: Gastric lavage, give the same therapy as for burns by acid or methaemoglobin formers.

· **4.2 Most important symptoms and effects, both acute and delayed**

blurred vision

Unconsciousness

Coughing

Breathing difficulty

Headache

Nausea

Dizziness

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

Treat symptomatically.

Later observation for pneumonia and pulmonary oedema.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Initial treatment with corticoid spray, e.g. Auxilosone, Pulmicort metered dose inhaler. (Auxiloson and Pulmicort are registered trademarks).

Gastric lavage after adding paraffin oil with added charcoal.

Monitor circulation.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:**

Foam

Carbon dioxide

Water spray

(Contd. on page 3)

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

Printing date 10.11.2021

Version number 7

Revision: 10.11.2021

Trade name: DEXDA® CLEAN ACTIVATED

(Contd. of page 2)

- Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Full jet water
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
chlorine
oxygen
Chlordioxidgas
Heat up in the closed bundle lead to increase in pressure - danger of bursting.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale fire gases.
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow entering into drains/surface waters/groundwater.
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**
Contain larger quantities and pump into a PE container.
Dilute smaller amounts with water and absorb with liquid-binding material (sand; gravel; diatomaceous earth or universal binder).
Treat recorded material according to the disposal section.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
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**
Keep away from heat and direct sunlight.
Use and open container with care.
Ensure adequate ventilation and punctiform suction at critical points.
- **Information about fire - and explosion protection:**
non-flammable liquids
Chlorine dioxide solutions are explosive from a concentration > 10%.
When heated by e.g. Exposure to the sun must be reckoned with critical concentrations above the aqueous solution.
Adherence to the general rules of preventive fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store dry. Keep container tightly closed and in a cool, well-ventilated place.
- **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from flammable substances.
Store away from foodstuffs.
- **Further information about storage conditions:**
Store in cool, dry conditions in tightly closed containers.
PROTECT FROM FROST !!!
Do not store below 5 ° C!
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 4)

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

Printing date 10.11.2021

Version number 7

Revision: 10.11.2021

Trade name: DEXDA® CLEAN ACTIVATED

(Contd. of page 3)

- **Ingredients with limit values that require monitoring at the workplace:**
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Be sure to clean skin thoroughly after work and before breaks.
Immediately remove all soiled and contaminated clothing
Do not breathe dust.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
Respiratory protection is necessary: Formation of fog or aerosol. Suitable respirator: Gas filter equipment (DIN EN 141)
- **Protection of hands:** Chemical resistant gloves (EN 374)
- **Material of gloves**
Polychloroprene - CR (0.5 mm)
Polyvinyl chloride (PVC; 0.5 mm)
Butyl rubber 0.5mm
Fluororubber (FKM; 0,7 mm)
- **Penetration time of glove material** Permeation time > 480 min
- **Eye protection:** Goggles recommended during refilling
- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

· Form:	Liquid
· Colour:	yellow
· Odour:	slightly stinging
· Odour threshold:	Not determined.

· **pH-value at 20 °C:** <3

· **Change in condition**

· **Initial boiling point and boiling range:** Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not flammable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· Vapour pressure:	2	0	°	C
	approx. 14 mbar			

· **Density:** Not determined.

· Relative density	2	0	°	C
	1.210 Kg/m ³			

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

· **water:** Fully miscible.

· **Partition coefficient: n-octanol/water:** Not determined.

· **Viscosity:**

· **Dynamic at 20 °C:** 2.4 mPas

(Contd. on page 5)

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

Printing date 10.11.2021

Version number 7

Revision: 10.11.2021

Trade name: DEXDA® CLEAN ACTIVATED

(Contd. of page 4)

Kinematic:	Not determined.
Solvent separation test: VOC (EC)	0.00 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No dangerous reactions under specified storage conditions.
- **10.2 Chemical stability** Stable under specified conditions.
- **Thermal decomposition / conditions to be avoided:** In the case of intended use no decomposition admits.
- **10.3 Possibility of hazardous reactions**
Corrosively opposite metals. Fire risk with inflammable materials when drying up the Wasseranteils. Contact with acids sets poisonous gases free.
- **10.4 Conditions to avoid** exposure to sunlight, heat, heat exposure
- **10.5 Incompatible materials:**
metals
reducing agent
Flammable substances
acids
- **10.6 Hazardous decomposition products:**
Chlorine compounds
Chlorine dioxide (ClO₂)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**

Components	Type	Value	Species
Oral	LD50	93.86 mg/kg (rat)	(äquivalent, strukturell ähnliche Stoffe)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Corrosive effects on skin and mucous membranes.
- **Serious eye damage/irritation**
Corrosivity. Conjunctivitis.
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Upper respiratory tract irritation.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
- **12.2 Persistence and degradability** Is almost completely broken down in biological purification stages.
- **Behaviour in environmental systems:** No data available.
- **12.3 Bioaccumulative potential** No bio accumulation potential.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Avoid release to the environment.

(Contd. on page 6)

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

Printing date 10.11.2021

Version number 7

Revision: 10.11.2021

Trade name: DEXDA® CLEAN ACTIVATED

(Contd. of page 5)


Also poisonous for fish and plankton in water bodies.
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**
Disposal according to official regulations.
Smaller quantities can be disposed of with household waste.
- **Waste disposal key:**
The assignment of the waste code numbers is to be carried out in accordance with the EAK regulation, sector- and process-specific.
- **Uncleaned packaging:**
- **Recommendation:** Are to be disposed of as containers with harmful residues.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**
· **ADR, IMDG, IATA** UN3287
- **14.2 UN proper shipping name**
· **ADR** Void
· **IMDG, IATA** TOXIC LIQUID, INORGANIC, N.O.S.
- **14.3 Transport hazard class(es)**
· **ADR, IMDG, IATA**

· **Class** 6.1 Toxic substances.
· **Label** 6.1
- **14.4 Packing group**
· **ADR, IMDG, IATA** II
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** ---
Warning: Toxic substances.
- **Hazard identification number (Kemler code):** 60
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** ---
- **Transport/Additional information:**
- **ADR**
- **Limited quantities (LQ)** 100 ml
- **Excepted quantities (EQ)** Code: E4
Maximum net quantity per inner packaging: 1 ml
Maximum net quantity per outer packaging: 500 ml
- **Transport category** 2
- **Tunnel restriction code** D/E

(Contd. on page 7)

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

Printing date 10.11.2021

Version number 7

Revision: 10.11.2021

Trade name: DEXDA® CLEAN ACTIVATED

(Contd. of page 6)

· IMDG	
· Limited quantities (LQ)	100 ml
· Excepted quantities (EQ)	Code: E4 Maximum net quantity per inner packaging: 1 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

Biocide Regulation (EU) No 528/2012
EU regulations
Regulation (EC) No. 1907/2006 (REACH)
Regulation (EC) No. 1272/2008 (CLP)
Directive 98/24 / EC (Agents Directive)

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning women of child-bearing age must be observed.

· **Other regulations, limitations and prohibitive regulations**

Biocidal:
Order of 18 May 2005 on the marketing and handling of biocidal products
(Biocidal Products Regulation, VBP), SR 813.12
National regulations must be observed !

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not 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.

The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product is mixed, mixed or processed with other materials, deviating from the intended use of the product, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, can not be transferred to the new material produced in this way become.

· **Relevant phrases**

-
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

· **Training hints**

The product should only be handled by persons who have been sufficiently informed about the operation, the hazardous properties and the necessary safety measures.

· **Contact:**

WM AQUATEC
Herr Würtemberger

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

(Contd. on page 8)

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

Printing date 10.11.2021

Version number 7

Revision: 10.11.2021

Trade name: DEXDA® CLEAN ACTIVATED

(Contd. of page 7)

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

· **Sources**

Information comes from reference works and the literature.

REACH Registration Dossier - IUCLID V View document

GESTIS-Stoffdatenbank (<http://www.hvbg.de/d/bia/fac/zesp/zesp.htm>)

IUCLID Data set

· * **Data compared to the previous version altered.**

GB