



DK-DOX[®]

For disinfection of wastewater.

DK-DOX[®] AWL 500

DK-DOX[®] AWL 500 for in situ production of chlorine dioxide.

Due to the high concentration of the product, it is possible to produce enough chlorine dioxide directly in the treated water by only small quantities.

DK-DOX[®] AWL 500 is proven as bactericidal against *Legionella pneumophila* following DIN EN 13623: 2010.

For professional use.



Product properties

DK-DOX® AWL 500 is a liquid mixture of inorganic anions of chlorine oxides, which is compatible with any type of water and readily soluble. DK-DOX® AWL 500 has a 3 months shelf life at temperatures up to + 35 °C.

DK-DOX® AWL 500 is suitable for use at pH values ranging between 5 and 9 e.g. the following areas:

- Destruction of microorganisms
- Deodorisation
- CSB/TOC/BSB reduction
- Faecal material removal
- Desulphurisation
- Increase of ORP
- Detoxification

By oxidation and hydrolysis of e.g. cyanides in ammonium compounds and carbon dioxide, nitrite to nitrate, sulfide to sulphate.

Oxidative and biocidal properties

In an aqueous medium, at pH 5 to 9 the chlorine-oxygen compounds in DK-DOX® AWL 500 react progressively and form chlorine dioxide in composing with other chlorine-oxygen-species. Reducing anions such as sulfite, nitrite, etc. are converted directly to the maximum oxidative valence level. Organic compounds can be converted into oxygen derivatives, therefore, a subsequent chlorination is no longer possible.

The biocidal effect is due to the disinfecting action of chlorine dioxide, which is synergistically enhanced by the presence of other chlorine oxide components. The ORP of the treated water rises. DK-DOX® AWL 500 is a strong bactericidal, sporicidal, viricide-acting and algicidal disinfectant. Because of its non-specific mode of action, germ adaption is not possible.

Application

DK-DOX® AWL 500 should be dosed directly from the container. In practice, the following dosages have proven effective: shock disinfection 1 L per m³.

Depending on the contamination, amounts of 100 mL to 1 L per m³ can be dosed during normal operation. The dosing should be continued until an increase in the ORP is measurable.

Handling and Storage

DK-DOX® AWL 500 should be stored in closed containers and protected from direct sun light and heat. It is not flammable itself, however, leaked or dried out product causes or intensify fire if in contact with combustibles. Do not mix DK-DOX® AWL 500 with other products.

Packaging unit

- 25 kg and 60 kg cans
- 220 kg plastic drums
- 1200 kg container

**Use DK-DOX® AWL 500 with care.
Read the label and product information before use.**

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