



## Technical Information on Water Chemistry

### Application:

EKOFACT® B100 is used as a broadband biocide in freshwater systems, well water systems and cooling circuits.

### Chemical characterization (Substance class):

Biocide based in 2-components with a sodium chloride solution (component 1), as well as a peroxodisulfates powder (component 2) in an aqueous solution.

### Label in accordance with Regulation (EC) No. 1272/2008:

**No hazardous product as specified in Directive (EC) no. 1272/2008**

**No label elements needed within the meaning of Directive (EC) no. 1272/2008**

**Signal Word: Not needed**

### Physical and Chemical Properties:

EKOFACT® B100 is a highly effective, oxidizing broadband biocide. The chlorine dioxide dissolves the substances contained in the so-called biofilm and thus removes this slime layer of pipes and pipes walls. EKOFACT B100 is permissible by the German Drinking Water Ordinance (TrinkwV 2001) up to a concentration of 0,2 mg/l ClO<sub>2</sub> in drinking water.

### Characteristics:

- Appearance: transparent, yellow liquid
- pH-Value: approx. 7 (at 20 °C)
- Density: approx. 1,0/cm<sup>3</sup> (at 20 °C)
- Solubility: fully miscible in water
- Storage: see Safety Data Sheet, section: 7

### Dosage:

The dosage is in the disinfection of drinking water at max. 0,2 mg/l ClO<sub>2</sub> disinfection in the plant is usually between 0,2 – 1,0 mg/l. EKOFACT® B100 may be used continuously or as a one-time-dosage.

### Analytics:

Can be detected photo metrically or with a rapid test.

### Environmental Practice:

EKOFACT® B100 is divided into naturally occurring substances and could be controlled discharged, after three hours, into the municipal sewer system. (Consultations with the local authorities are required!) EKOFACT® B100 normally relaxes automatically through this time. We prefer some conduct trials out on site for optimized results. Do not discharged the activated concentrate liquid into drains.

### Storage/Expiry Date:

Store in cool, dry conditions in well-sealed receptacles. Protect from heat, direct sunlight and frost. Only in keep the original container or an approved alternative container, which was made from a compatible material. Do not store in unlabeled containers. Store away from pharmaceuticals, foodstuffs and animal feeds.

The individual components are stable for 5 years each, at the recommended storage temperature range from 5 °C to 35 °C (41 °F to 95 °F). The activated solution should be used within 6 weeks.

## EKOFACT® B100 Activated

## Broadband Biocide

For many years we are engaged intensely in the meaningful and sustainability use of biocides and specialty chemicals which affect the water balance and are thus able to determine the process which best suits your specific needs.

We will be pleased to make you an offer tailored to your needs.

Your contact partner:

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Always use biocides safely.

Read the Material Safety Data Sheet and Technical Data Sheet before use.

The Material Safety Data Sheets (MSDS) provide relevant and practical recommendations for the safe handling of biocidal products at work, transport and environmental protection. They also include information and data from which these recommendations are derived.



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# Technical Data Sheet

## EKOFACT® B100 Activated

### Activation and Storage:

The EKOFACT® B100 component 1 (sodium chlorite) is activated by the EKOFACT® B100 component 2 (peroxodisulfates powder). For this, the component 2 is brought into a solution by filling up with tap water and shaking well in the transport packaging. Heated water can be much better created this solution. The complete content of component 2 will now be given in the transport packaging from component 1. This, held under lock, liquid is fully activated after 24 hours reaction time at 30 °C or 48 hours of reaction time at 20 °C. The activated material should be stored in a cool and dark room, so it can be used for up to 6 weeks.

### Packaging Types, each in the activated quantity:

25kg/5kg/1kg Can/PE-Bottles each 2-Components



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