

# SAFETY DATA SHEET



Conforms to EU regulation EC 1907/2006 and amendments

## KLERCIDE-CR BIOCID B CONCENTRATE

Code : 112871E

Version : 1

Date of revision : 23 June 2010

### 1. Identification of the substance/preparation and company/undertaking

#### Identification of the substance or preparation

Product name : KLERCIDE-CR BIOCID B CONCENTRATE

Product use : Surface Disinfectant  
Product is for professional use only

#### Company/undertaking identification

Manufacturer/ : Ecolab Ltd.  
Distributor/ : David Murray John Building  
Importer : UK-SN1 1NH Swindon, Wiltshire  
England  
Tel +44 (0)1793 511221  
Fax +44 (0)1793 618552  
CCS@ecolab.com  
Emergency phone: 01793 511221

anti-poison centre : NOT AVAILABLE.

### 2. Hazards identification

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xi; R36/38

Human health hazards : Irritating to eyes and skin.

See section 11 for more detailed information on health effects and symptoms.

### 3. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
Sodium chlorite	231-836-6	7758-19-2	2 - 5	Xn; R22 Xi; R41 R32 N; R50 [1]
Fattyalcohol ethoxylates > 5EO		68439-46-3	2 - 5	Xn; R22 Xi; R41 [1]
propan-2-ol	200-661-7	67-63-0	2 - 5	F; R11 Xi; R36 R67 [1]
didecyldimethylammonium chloride	230-525-2	7173-51-5	2 - 5	Xn; R22 C; R34 [1]
<b>See section 16 for the full text of the R-phrases declared above</b>				

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

## 4. First aid measures

### First-aid measures

- Inhalation** : Move exposed person to fresh air. Get medical attention if adverse health effects persist or are severe.
- Ingestion** : Wash out mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes.
- Eye contact** : Get medical attention. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
- Specific treatments** : Not available.

See section 11 for more detailed information on health effects and symptoms.

## 5. Fire-fighting measures

- Extinguishing media - Suitable** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.
- Extinguishing media - Not suitable** : None known.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

- Personal precautions** : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- Small spill** : Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.
- Large spill** : Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Do not ingest. Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use.  
Store between the following temperatures: 0 and 25°C
- Packaging materials**
- Recommended** : Use original container.

## 8. Exposure controls/personal protection

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## Ingredient name

propan-2-ol

## Occupational exposure limits

EH40/2005 WELs (United Kingdom (UK), 8/2007).

STEL: 1250 mg/m<sup>3</sup> 15 minute(s).

STEL: 500 ppm 15 minute(s).

TWA: 999 mg/m<sup>3</sup> 8 hour(s).

TWA: 400 ppm 8 hour(s).

## Exposure controls

- Occupational exposure controls** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Respiratory protection (EN 143, 14387)** : A respirator is not needed under normal and intended conditions of product use.
- Hand protection (EN 374)** : 1 - 4 hours : butyl rubber , nitrile rubber
- Eye protection (EN 166)** : Safety glasses.
- Skin protection (EN 14605)** : Safety apron . Suitable protective footwear.

## 9. Physical and chemical properties

### General information

#### Appearance

- Physical state** : Liquid.
- Colour** : Colourless to light yellow.
- Odour** : chlorine

### Important health, safety and environmental information

- pH** : 7 to 10 (100%)
- Boiling point** : Not available.
- Melting point** : Not available.
- Flash point** : > 100°C
- Flammability (solid, gas)** : Not applicable.
- Explosive properties** : Not applicable.
- Explosion limits** : Not applicable.
- Oxidising properties** : Not available.
- Vapour pressure** : Not applicable.
- Relative density** : 1.015 to 1.03 g/cm<sup>3</sup> (20 °C)
- Solubility** : Easily soluble in cold water.
- Octanol/water partition coefficient** : Not applicable.
- Viscosity** : Not available.
- Vapour density** : Not available.
- Evaporation rate (butyl acetate = 1)** : Not applicable.

## 10. Stability and reactivity

- Stability** : Stable under normal conditions.  
Do not mix with other products.

## 11. Toxicological information

### Potential acute health effects

- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Ingestion** : Irritating to mouth, throat and stomach.
- Skin contact** : Irritating to skin.
- Eye contact** : Irritating to eyes.
- Carcinogenicity** : No known significant effects or critical hazards.

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**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

## 12. Ecological information

### Ecotoxicity

The product is not subject to ecological classification according to directive 1999/45/EC.

### Persistence and degradability

The ecological evaluation of the product is based on data from the raw material and/or comparable substances. The total of the organic components contained in the product achieve > 60% BOD/COD or CO<sub>2</sub> liberation, or > 70% DOC reduction in tests for ease of degradability - threshold values for 'readily degradable' (e.g. to OECD method 301).

## 13. Disposal considerations

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Can be added to general waste collection after completely emptying. Use packages for recycling only when totally empty.

**European waste catalogue (EWC)** : 200129\*

## 14. Transport information

### International transport regulations

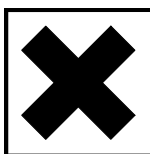
Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
<b>ADR/RID Class</b>	Not regulated.	-	-	-	
<b>IMDG Class</b>	Not regulated.	-	-	-	

Follow special pack instructions for air transport.

## 15. Regulatory information

### EU regulations

**Hazard symbol/symbols** :



Irritant

**Risk phrases** : R36/38- Irritating to eyes and skin.

**Safety phrases** : S2- Keep out of the reach of children.  
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37- Wear suitable gloves.

### National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations.

The Control of Substances Hazardous to Health Regulations.

Health and Safety at Work Act.

**16. Other information**

**Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK)** : R11- Highly flammable.  
R22- Harmful if swallowed.  
R34- Causes burns.  
R41- Risk of serious damage to eyes.  
R36- Irritating to eyes.  
R36/38- Irritating to eyes and skin.  
R32- Contact with acids liberates very toxic gas.  
R67- Vapours may cause drowsiness and dizziness.  
R50- Very toxic to aquatic organisms.

**History**

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**Notice to reader**

*The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.*

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