

SAFETY DATA SHEET



Conforms to EU regulation EC 1907/2006 and amendments

Sanichlor

Code : 111337E

Version : 3

Date of revision : 24 February 2010

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

Identification of the substance or preparation

Product name : Sanichlor
Product use : 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 : Xn; R22
Xi; R36/37
R31
N; R50/53

Human health hazards : Harmful if swallowed. Irritating to eyes and respiratory system. Contact with acids liberates toxic gas.

Environmental hazards : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

3. Composition/information on ingredients

Ingredient declaration according to detergent regulation 648/2004/EC:

≥ 30% chlorine-based bleaching agents

Contains disinfectants.

Substance/preparation : Preparation

Ingredient name	EINECS	CAS	%	Classification
troclosene sodium	220-767-7	2893-78-9	50 - 100	O; R8 [1] Xn; R22 Xi; R36/37 R31 N; R50/53
adipic acid	204-673-3	124-04-9	20 - 25	Xi; R36 [1]
See section 16 for the full text of the R-phrases declared above				

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.
- 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 immediately.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
- 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 CO₂. This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Extinguishing media - Not suitable** : None known.
- : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- 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. Provide adequate ventilation.
- Environmental precautions** : Water polluting material. May be harmful to the environment if released in large quantities.
- Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container.
- Large spill** : Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container.

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. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep away from acids. 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. Separate from acids. Keep container tightly closed and sealed until ready for use.
- : Store between the following temperatures: 0 and 40°C
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

Exposure limit values : Not available.

Exposure controls

Occupational exposure controls : Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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) : No special recommendations.

9. Physical and chemical properties

General information

Appearance

Physical state : Solid. [Tablet.]

Colour : White.

Odour : chlorine

Important health, safety and environmental information

pH : 5 to 6 (1%)

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 : Not available.

Solubility : Easily soluble in cold water, hot 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.

Materials to avoid : Extremely reactive or incompatible with the following materials: acids and moisture.
Do not mix with other products.

11. Toxicological information

Potential acute health effects

Inhalation	: Irritating to respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	: Harmful if swallowed.
Skin contact	: No known significant effects or critical hazards.
Eye contact	: Irritating to eyes.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

The total of the organic components contained in the product achieve > 60% BOD/COD or CO₂ 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)	: 200115*

14. Transport information

International transport regulations

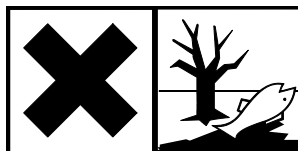
Regulatory information	UN number	Proper shipping name	Class	Packing group	Label
ADR/RID Class	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium)	9	III	9
IMDG Class	UN3077	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Troclosene sodium). Marine pollutant	9	III	9

Follow special pack instructions for air transport.

15. Regulatory information

EU regulations

Hazard symbol/symbols :



Harmful, Dangerous for the environment

Sanichlor

Contains	: troclosene sodium
Risk phrases	: R22- Harmful if swallowed. R36/37- Irritating to eyes and respiratory system. R31- Contact with acids liberates toxic gas. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	: S2- Keep out of the reach of children. S7- Keep container tightly closed. S22- Do not breathe dust. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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)	: R8- Contact with combustible material may cause fire. R22- Harmful if swallowed. R36- Irritating to eyes. R36/37- Irritating to eyes and respiratory system. R31- Contact with acids liberates toxic gas. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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.

Version 3

Page: 5/5