

Safety data sheet

Revision: 27-03-2012
Replaces: 04-01-2011
Version: 01.01/GBR

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

1.1. Product identifier

Trade name: Chlorine, fast dissolving
Substance name: Troclosene sodium, dihydrate
Registration number: -
EC Number: 220-767-7
CAS No.: 51580-86-0
Index number: 613-030-01-7

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Disinfection agent

1.3. Details of the supplier of the safety data sheet

Supplier: Swim & Fun Scandinavia ApS
Fagerholtvej 12
4050 Skibby
Denmark
Tel: +45 70226856
Fax: +45 70226859
Email: cl@swim-fun.dk

1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DSD-classification: Xn;R22 R31 Xi;R36/37 N;R50/53

CLP-classification: Acute tox. 4;H302 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Please see section 16 for the full text of R-phrases and H-phrases.

Most serious harmful effects: Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2. Label elements



Signal word:



Warning

Contains:

Troclosene sodium, dihydrate (0,99 g/g) (EC No. 220-767-7)

H-phrases:

Harmful if swallowed.
Causes serious eye irritation.

	May cause respiratory irritation. Very toxic to aquatic life with long lasting effects.
P-phrases:	Keep out of reach of children. Avoid release to the environment. Wear protective gloves/eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Dispose of contents/container to a waste collection facility in accordance with local regulations.
Supplemental information:	Contact with acids liberates toxic gas. Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3. Other hazards

The substance does not meet the criteria for PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1. Substances

Registration number	CAS/EC Number	Substance	DSD-classification/ CLP-classification	w/w%	Note
.	51580-86-0	Troclosene sodium, dihydrate	Xn;R22 R31 Xi;R36/37 N;R50/53	100	.
.	220-767-7	.	Acute Tox. 4;H302 Eye Irrit. 2;H319	.	.
.	.	.	STOT SE 3;H335 Aquatic Acute 1;H400	.	.
.	.	.	Aquatic Chronic 1;H410	.	.

Please see section 16 for the full text of R-phrases and H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eyes:	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
Other information:	When obtaining medical advice, show the safety data sheet or label. Symptoms: See section 11.

4.2. Most important symptoms and effects, both acute and delayed

Harmful if swallowed. Irritating to eyes. Causes a burning sensation and tearing. Inhalation of dust is irritating to the upper airways.

4.3. Indication of any immediate medical attention and special treatment needed

No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous fumes are formed in fire conditions.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Wear gloves. Wear safety goggles.
For emergency responders:	Wear gloves. Wear safety goggles.

Emergency-response personnel: protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

6.4. Reference to other sections

See section 13 for instructions on disposal. See section 8 for type of protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Work processes where generation of dust may occur must be performed under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a dry, cool, well-ventilated area. Store away from acids. Keep in tightly closed original packaging.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Remarks
Dust (inhalable)	10 mg/m ³ (8h)	
Dust (respirable)	4 mg/m ³ (8h)	

Legal basis: EH40/2005 Workplace exposure limits incl. supplement from October 2007.

Remarks: -

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

DNEL values: -

PNEC values: -

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles.

Personal protective equipment, skin protection: Wear plastic or rubber protective gloves. Change gloves immediately if contaminated, and wash hands with soap and water. Breakthrough time has not been determined for the product. Change gloves often.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment with P2 filter.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Granulate
Colour: White
Odour: Chlorine
Odour threshold: No data
pH (solution for use): No data
pH (concentrate): 6
Melting point/freezing point: 250°C
Initial boiling point and boiling range: No data
Flash point: No data

Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	1 (bulk)
Solubility:	Solubility in water: 250 g/l (20 °C)
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	Non-explosive
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Contact with acids liberates toxic gas.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

No risk of hazardous reactions.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid contact with strong acids

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic chlorine gases may be released. Contact with acids liberates toxic gas.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	Harmful if swallowed.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	Inhalation of dust is irritating to the upper airways. The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Irritating to eyes. Causes a burning sensation and tearing.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	Inhalation of dust is irritating to the upper airways.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.
Crustacea: 48hEC50 = XX mg/L

Acute toxicity:

51580-86-0
Fish: Oncorhynchus mykiss: 96hLC50 = 0,250 mg/l
Crustacea: 48hEC50 = 0,05 mg/l

12.2. Persistence and degradability

Degradability data not provided.

12.3. Bioaccumulative potential

No bioaccumulation data provided.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

No assessment has been made.

12.6. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Spild og affald samles i lukkede og tætte beholdere, der bortskaffes via den kommunale affaldsordning for farligt affald med nedenstående specifikationer. Avoid discharge to drain or surface water. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC code: Depends on line of business and use, for instance 16 05 08 discarded organic chemicals consisting of or containing dangerous substances

SECTION 14: Transport information

ADR/RID

UN2465 - SP135

14.1. UN number -
14.2. UN proper shipping name -
14.3. Transport hazard class(es) -
14.4. Packing group -
Hazard identification number -
Tunnel restriction code: -
14.5. Environmental hazards -

ADN

UN2465 - SP135

14.1. UN number -
14.2. UN proper shipping name -
14.3. Transport hazard class(es) -
14.4. Packing group -
14.5. Environmental hazards -
Environmental hazard in tank

vessels: -

IMDG

UN2465 - SP135

14.1. UN number -

14.2. UN proper shipping name -

14.3. Transport hazard class(es) -

14.4. Packing group -

14.5. Environmental hazards -

IMDG Code segregation group: -

ICAO/IATA

UN2465 - A28

14.1. UN number -

14.2. UN proper shipping name -

14.3. Transport hazard class(es) -

14.4. Packing group -

14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15: Regulatory information

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

Special provisions: None.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes have been made in the following sections: 1,2,14,16

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

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

H-phrases: H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Training: No special training is required, but a thorough knowledge of this safety data sheet should be a prerequisite condition.