



Safety Data Sheet

Chlorinated Concentrate

BioGuard

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1 IDENTIFICATION OF CHEMICAL

Product Name: Chlorinated Concentrate
Chemical Name: Troclosene Sodium, Dihydrate
Other Names: Sodium Dichloroisocyanurate Dihydrate

2 COMPOSITION

Ingredients:	CAS No.	EINECS No	EEC No.	Phrases
Troclosene Sodium, Dihydrate	51580-86-0	613-030-01-7		Xn,R22-31 Xi, R36/37 N, R50-53

3 HAZARD IDENTIFICATION

Harmful if swallowed. Contact with acids liberates toxic gas.
Irritating to eyes and respiratory system.
Dangerous for the environment.

4 FIRST AID MEASURES

Skin Contact: Wash thoroughly with plenty of water. Remove contaminated clothing and wash before reuse. If large area of skin is damaged or if irritation persists seek medical attention.

Eye contact: Flush immediately with water for at least 15 minutes. If irritation persists seek medical attention.

Ingestion: Wash out mouth with water. **DO NOT INDUCE VOMITING.** If patient is conscious, give water to drink. Seek immediate medical attention

Inhalation: Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid, or complete, seek medical attention.

Note: When seeking medical attention, always show the product label.

5 FIRE FIGHTING MEASURES

The product is not flammable. Thermal decomposition occurs at above 240 °C. This can be extinguished by flooding with water or by isolating the decomposing material to open air and allowing it to be consumed.

Suitable extinguishers: Water, CO₂. **DO NOT USE AMMONIUM COMPOUNDS.**

Hazardous combustion products are: Chlorine, Hypochlorous acid, Cyanuric acid.

6 ACCIDENTAL RELEASE MEASURES

Use appropriate personal protective equipment as detailed in section 8.

Spillages and Leaks:

Isolate area and warn others. **DO NOT** introduce water or other liquids to the spillage site. Sweep up and deposit in dry plastic sacks or drums. **DO NOT** put into bins or skips. Dispose of in accordance with appropriate local regulations.

7 HANDLING AND STORAGE

Handling: **DO NOT** breath in dust. Avoid skin and eye contact. (See section 8)

Storage: Store in a cool, dry place away from direct sunlight and heat. Keep out of reach of children and avoid storage or contact with:
Organic materials, oil, grease, saw dust, reducing agents, Nitrogen containing compounds, Sodium Hypochlorite, Calcium Hypochlorite, other oxidisers, acids and alkalis.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	8hr TWA		15min STEL		Authority
	ppm	mg/m ³	ppm	mg/m ³	
Chlorine.	0.5	1.5	1	2.9	EH40

PPE Respiratory: Mask in normal conditions. Otherwise use approved respirator with chemical cartridge suitable against chlorine and dusts.

Hands: Impermeable gloves and protective clothing.

Eyes: Wear chemical splash goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline solid, granules

Odour: Chlorine

pH (1% aqueous soln): 6.0 - 7.0

Boiling Point / range: N/A

Melting point / range: 240 °C (Approx.)

Flash point: None

Bulk density: 0.95 g/cm³

Solubility in water: 290 gm/litre @25 °C

10 STABILITY AND REACTIVITY

Conditions to avoid:	Damp or slightly wet conditions also slowly liberate hazardous gasses. (May gradually degenerate to Nitrogen Trichloride)
Stability:	Stable under normal conditions.
Decomposition Products:	Decomposes above 240 °C forming hazardous gasses.
Incompatible materials:	Reacts with oxidising and reducing against to liberate hazardous gasses.

11 TOXICOLOGICAL INFORMATION

Route of entry:	Inhalation, skin contact and ingestion.
Inhalation:	Irritating to nose mouth throat and lungs
Ingestion:	Irritation and burning to gastrointestinal tract.
Skin & eyes:	Can cause severe irritation and / or burns characterised by redness, swelling and scab.
Toxicity:	Oral LD50 (Rat) 1400 mg/kg (Slightly Toxic)

12 ECOLOGICAL INFORMATION

Mobility:	Partially soluble in water.
Highly toxic to aquatic life:	DO NOT discharge into lakes, ponds or stream. DO NOT discharge into public waters unless in accordance with consent to discharge orders.

13 DISPOSAL CONSIDERATIONS

Disposal Method:	Disposal should be in accordance with all official regulations and carried out via an approved disposal contractor. If material is dry, incineration is recommended.
Empty Containers:	As substance.

14 TRANSPORT INFORMATION

UN No:	3077
Primary Hazard:	Environmentally hazardous substance
Packing Group:	III
Hazard ID No:	90
Class:	9
EAC:	2X

15 REGULATORY INFORMATION

Product name:	Trosclosene Sodium, Dihydrate	
Hazard symbol:	Harmful/Dangerous for the Environment	
Risk Phrases:	R22	Harmful if swallowed.
	R31	Contact with acids liberates toxic gas.
	R36/37	Irritation to eyes and respiratory system.
	R50-53	Very toxic to aquatic organism, may cause long-term effects in the aquatic environment.
Safety Phrases:	S1/2	Keep locked up and out of reach of children.
	S8	Keep container dry
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S41	In case of fire and/or explosion do not breathe fumes.
	S60	This material and/or its container must be disposed of as hazardous waste.
	S61	Avoid release to the environment. Refer to special instructions/Safety Data Sheet.

16 OTHER INFORMATION

Recommended uses and restrictions: No further information.

Further information sources: No further information

Sources of key data used to compile Safety Data Sheet.

Approved supply list. Approved carriage list. EH40

The data in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1997, as amended, for the purpose of protecting the health and safety of industrial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

This data sheet does not constitute a users assessment of the workplace risk as required by the Health and Safety at Work Act, COSHH, Management of Health and Safety at Work or other health and safety legislation.
