Safety Data Sheet

Legal Disclaimer

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1. Identification of Products

Product Name:

Guardex Spa Swim Clear Stabilised Chlorine Granules

Product Code:

20 35 530 010

20 35 000 225: Spa Water Care Pack – Chlorine

Chemical Name:

Troclosene Sodium, Dihydrate

Other Names:

Sodium Dichloroisocyanurate Dihydrate

Distributed by: Golden Coast Ltd | Fishleigh Road | Roundswell Commercial Park West | Barnstaple | Devon | EX31 3UA | Tel: 01271 378100 | e-mail: swimmer@goldenc.com

2. Composition

Ingredients:	Troclosene Sodium Dihydrate
CAS Number:	51580-86-0
EINECS Number:	613-030-01-7
EEC Number:	-
Phrases:	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.

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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, CO_2. Do not use ammonium compounds.

Hazardous combustion products are:

Chlorine, Hypochlorous acid, Cyanuric acid.

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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 breathe 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.

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8. Exposure Controls / Personal Protection

Exposure Limits:		Chlorine
8hr TWA	ppm:	0.5
	mg/m³:	1.5
15min STEL	ppm:	1
	mg/m³:	2.9
Authority:		EH40

Personal Protective Equipment:

Respiratory:

Mask in normal conditions.

Otherwise use approved respirator with chemical cartridge suitable against chlorine and dusts.

Hands:

Wear suitable chemical resistant gloves.

Skin Protection:

Wear protective clothing.

Eyes:

Wear chemical splash goggles.

As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary. Registered in England and Wales 2420044 VAT Reg. No 540 4110 02

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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.

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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)

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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 Number:	3077
Primary Hazard:	Environmentally hazardous substance
Packing Group:	III
Hazard ID Number:	90
Class:	9
EAC:	2X

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15. Regulatory Information

Product name:

Troclosene 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 organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S1/2:	Keep 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.
S60-61:	This material and/or its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/Safety Data Sheet.

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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

Note:
This data sheet does not constitute a user's assessment of workplace risk as required by HSW act, COSHH, management of health and safety at work regulations, or other health and safety legislation.