



Safety Data Sheet

Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

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1. Identification of Products

Name of Product:	Guardex Advantage Combi Tabs
Product Code:	20 35 540 012 - 1.2 Kg Trial Pack 20 35 541 030 - 3 Kg
Recommended Intended Purpose(s):	Product for disinfection and oxidation of pool water.

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

Hazardous ingredients

CAS No.:	2893-78-9
EC No.:	220-767-7
Name:	Troclosene Sodium
[% weight]:	70
Classification:	O R8; Xn R22; R31; Xi R36/37; N R50/53

3. Hazard Identification

Classification

Xn;	R22
Xi;	R36/37
N;	R50/53

R-phrases

22	Harmful if swallowed.
31	Contact with acids liberates toxic gas.
36/37	Irritating to eyes and respiratory system.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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4. First Aid Measures

General information:

Remove contaminated soaked clothing immediately. Take affected person into fresh air.

In case of inhalation:

Remove the casualty into fresh air and keep him immobile. Refer for medical treatment.

In case of skin contact:

In case of contact with skin wash off immediately with plenty of water.

In case of eye contact:

In case of contact with eyes rinse thoroughly with water. Refer to medical treatment.

In case of ingestion:

Call for a doctor immediately. If swallowed give water to drink.



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5. Fire Fighting Measures

Suitable extinguishing media:

Large quantities of water, Carbon dioxide, Sand

Extinguishing media which must not be used for safety reasons:

Small quantities of water

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Nitrogen trichloride

In the event of fire the following can be released:

Chlorine (Cl₂)

Special protective equipment for fire-fighters:

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information:

Cool endangered containers with water spray jet.



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6. Accidental Release Measures

Personal precautions:

Ensure adequate ventilation. Use personal protective clothing.

Environmental precautions:

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up:

Take up mechanically and send for disposal.

Additional Information:

Neutralise active chlorine with suitable materials (Sulphite, Thiosulphate or hydrogen peroxide aqueous solution).



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7. Handling and Storage

Advice on safe handling:

Use only in well-ventilated areas.

Advice on protection against fire and explosion:

Keep away from sources of ignition - No smoking.

Keep at distance of acids, reducing agents and organic substances (e.g. wood, paper, fat).

Avoid entering of water in shortage.

Requirements for storage rooms and vessels:

Keep only in original container.

Advice on storage compatibility:

Do not store together with food.

Further information on storage conditions:

Keep container tightly closed.

Storage: cool and dry.



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8. Exposure Controls / Personal Protection

Hand protection:

Chemical-resistant gloves

Suitable materials (recommended: protection index 6, >480 minutes permeation time according to EN 374)

Nitrile-butadiene rubber (NBR) - 0.4 mm layer thickness

Butyl rubber (butyl) - 0.7mm layer thickness

In view of the many different types, the manufacturers' directions for use must be followed

Eye protection:

Safety goggles

General protective measures:

Avoid contact with the eyes.

Hygiene measures:

At work do not eat, drink and smoke.

Wash hands before breaks and after work.



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9. Physical and Chemical Properties

Form:	Tablet
Colour:	Blue
Odour:	Typical, pungent

Important health, safety and environmental information

pH Value in delivery state

Value:	ca. 6
Temperature:	20 °C
At:	10 g/l
Method:	potentiometric
Remark:	-

Decomposition Point

Value:	240 - 250 °C
Temperature:	-
At:	-
Method:	-
Remark:	-

Solubility in water

Value:	250 g/l
Temperature:	25 °C
At:	-
Method:	-
Remark:	-



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10. Stability and Reactivity

Conditions to avoid:

Reactions with combustible substances.

Reactions with acids.

Reactions with impurities.

Hazardous decomposition products:

Nitrogen trichloride

Chlorine

Additional information:

Product may cause bleaching textiles, liners, paintings etc. Chlorine gas may decompose metals and is corrosive.

11. Toxicological Information

Acute toxicity/Irritability/Sensitisation

LD 50 acute oral

Value/Validation: 990 mg/kg

Species: rat

Method:

Remark:

Irritability skin:

Low irritant effect

Irritability eye:

Irritant

Experiences made from practice:

Irritates respiratory tract. Irritates mucous membranes.



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12. Ecological Information

Ecotoxicological effects

Fish

Value:	LC50 < 1 mg/l (96 h)
Species:	Lepomis macrochirus
Method:	-
Validation:	-

General regulation:

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

13. Disposal Considerations

Waste code No.:

06 03 14

Name of waste:

solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

Recommendations for the product:

In accordance with regulations for special waste, must be taken to a special waste disposal.

Recommendations for packaging:

Uncontaminated packaging may be taken for recycling.

Recommended cleansing agent:

Water



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14. Transport Information

Land and inland navigation transport ADR/RID

UN 3077 Environmentally Hazardous Substance,
Solid,
N.O.S. (Trichloroisocyanuric acid, dry (symclosene)),
9,
III

Marine transport IMDG

UN 3077 Environmentally Hazardous Substance,
Solid,
N.O.S. (Trichloroisocyanuric acid, dry (symclosene)),
9,
III

Air transport ICAO/IATA-DGR

UN 3077 Environmentally Hazardous Substance,
Solid,
N.O.S. (Trichloroisocyanuric acid, dry (symclosene)),
9,
III



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15. Regulatory Information

Remarks for classification:

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Classification:

Xn	Harmful
N	Dangerous for the environment

R-phrases:

22	Harmful if swallowed.
31	Contact with acids liberates toxic gas.
36/37	Irritating to eyes and respiratory system.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

2	Keep out of the reach of children.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29/56	Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.
46	If swallowed, seek medical advice immediately and show this container or label.
8	Keep container dry.

Special labelling for certain preparations:

Warning! Do not use together with other products. May release dangerous gases (chlorine).



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16. Other Information

Sources of key data used:

Results of own researches and examinations
 Literature informations
 Toxicity studies, NIOSH-Tox-Data
 National legislation and regulation

Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

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.
R8	Contact with combustible material may cause fire.

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.