

# Material Safety Data Sheet

Golden Coast



## 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

**Product Name:** 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):** Disinfection, oxidation, algae control, flocculation and hardness stabiliser of pool water.

## 2 COMPOSITION

### Hazardous ingredients:

CAS No	EC No	Name	[%]	Classification
87-90-1	201-782-8	symclosene	87	O R8; Xn R22; R31; Xi R36/37; N R50/53
16828-12-9	233-135-0	Aluminium Sulphate	< 10	Xi R41

## 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.

## 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.

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## 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.

## 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 (Cl<sub>2</sub>)

### 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.

## 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

### 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.

## 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.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Form: Tablet

Colour: White

Odour: Typical, Pungent

### Important health, safety and environmental information:

	Value	Temperature	at	Method	Remark
pH value in delivery state	2, 8	20 °C	10 g/l	potentiometric	
decomposition point	225 °C				
Solubility in water	17, 5 g/l	25 °C			

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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

	Value/Validation	Species	Method	Remark
LD 50 acute oral	598 mg/kg	rat		
Irritability skin	low irritant effect			
Irritability eye	irritant			

### Experiences made from practice:

Irritates respiratory tract.  
Irritates mucous membranes.

## 12 ECOLOGICAL INFORMATION

### Ecotoxicological effects:

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

### 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.

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## Recommendations for the product:

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

## Recommendations for packaging:

Untampered packaging may be taken for recycling.

## Recommended cleansing agent:

Water

## 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

## 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 labeling 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!):

**R 22** Harmful if swallowed.

**R 31** Contact with acids liberates toxic gas.

**R 36/37** Irritating to eyes and respiratory system.

**R 41** Risk of serious damage to eyes.

**R 50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**R 8** 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.

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