

# 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.

Creation Date 21.07.99

Revision Date 21.06.07

Revision Number 3

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## 1 IDENTIFICATION OF CHEMICAL

**PRODUCT NAME:** GUARDEX SHIMMER

**PRODUCT CODE:** 20 35 530 004

Chemical name: Troclosen Sodium

## 2 COMPOSITION.

SUBSTANCE	Wt %	EC NO.	CAS NO.	R phrases	Symbol	WEL
Troclosen Sodium	60-65	220-767-7	2893-78-9	8, 22, 31, 36/37, 50/53	O, Xn, N	WEL
Sodium Persulphate	15-40	231-892-1	7775-27-1	8, 22, 42/43	O, Xn	WEL
Aluminium Sulphate	5-10	233-135-0	10043-01-3	36/37/38	Xi	WEL
Sodium Tetraborate	<10	N/A	12179-04-3	N/A	N/A	WEL
Zinc Sulphate	<10	N/A	7446-20-0	22, 41, 50/53	Xn, N	WEL
Copper Citrate	<2	N/A	10402-15-0	N/A	N/A	WEL

## 3 HAZARD IDENTIFICATION

Harmful if swallowed. Irritating to eyes and respiratory system. May cause sensitisation by inhalation and skin contact. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

## 4 FIRST AID MEASURES.

**Inhalation** If inhaled: Move person to fresh air. If person has stopped breathing, give artificial respiration, preferably mouth to mouth. Seek professional medical advice.

**Skin contact** If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Seek professional medical attention.

**Eye contact** If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Seek professional medical treatment.

**Ingestion** If swallowed: Seek immediate professional medical attention. Have person sip a glass of water if able to swallow. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

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As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary.  
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**Note:** When seeking medical attention, always show the product label.

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## 5 FIRE FIGHTING MEASURES.

**Suitable extinguishing media:** Water fog, CO<sub>2</sub>

**Special exposure hazards in fire:** Emits toxic fumes under fire conditions. Contact with other materials may cause fire.

**Required special protective equipment for fire fighters:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

## 6 ACCIDENTAL RELEASE MEASURES.

**Personal precautions:** Use appropriate personal protective equipment as detailed in section 8.

**Environmental precautions:** Keep product out of sewers, watersheds and water systems.

**Methods for cleaning:** Contain spilled material. Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil and other contaminated material and place into clean dry containers for disposal. Do not use floor sweeping compounds to clean up spills. Do not tightly shut containers containing wet or damp material. They should be left to ventilate any hazardous gases that may form. Do not transport wet or damp material.

## 7 HANDLING AND STORAGE.

**Handling:** Strong oxidising agent. Do not mix with other chemicals or allow this product to become contaminated with organic materials or other chemicals that could lead to product decomposition and/or fire. Mix only with water. NEVER add water to product ALWAYS add product to large volumes of water. Use clean dry utensils. Do not add this product to any dispensing device (chemical feeder, etc.) containing remnants of any other product

**Storage:** Keep this product in original, sealed container when not in use. Store in a cool, dry, well-ventilated area. Keep this product and all other chemicals out of reach of children.

**Avoid contact with:** Other swimming pool/spa chemicals in their concentrated forms.

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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION.

Workplace Exposure Limits

Exposure Limits:	8hr TWA		15min STEL		Authority
	ppm	mg/m3	ppm	mg/m3	
Chlorine	0.5	1.5	1	2.9	EH40
Aluminium sulphate	-	2	-	-	EH40
Sodium persulphate	-	0.1	-	-	ACGIH

Exposure Limits:	8 hr TWA	Authority
As total dust	10 mgm <sup>-3</sup>	EH40
As respirable dust	4 mgm <sup>-3</sup>	

### General:

General room ventilation plus local exhaust should be used to minimise exposure. Remove and wash contaminated clothing before reuse.

### Respiratory protection

Where dust emissions are possible, after engineering controls and general ventilation are applied, wear approved dust filtering respirators.

### Hand protection (type of gloves, etc)

Wear suitable chemical resistant gloves when handling this product.

### Skin protection

Avoid contact with skin.

### Eye protection

Wear goggles or safety glasses with side shields when handling this product.

## 9 PHYSICAL AND CHEMICAL PROPERTIES.

Physical State:	Solid
Odour:	Chlorine
Appearance:	Granules
Colour:	White with a green tinge
Solubility in Water:	25 g/100ml
pH:	4.64-4.76
Melting Point:	272 °C (522 °C)
Density:	1.02-1.04 g/ml

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## 10 STABILITY AND REACTIVITY.

**Conditions to avoid:** High temperature. Poor ventilation. Contamination. Moisture/high humidity.

**Materials to avoid:** Strong bases. Strong acids.

**Hazardous decomposition products:** Avoid contact with water on concentrated material in the container. Avoid easily oxidisable material. Ammonia, urea, or similar nitrogen containing compounds. Inorganic reducing compounds. Floor sweeping compounds. Other swimming pool/spa chemicals in their concentrated forms. Do not mix with calcium hypochlorite.

## 11 TOXICOLOGICAL INFORMATION.

### Route of entry:

**Inhalation:** May be harmful if inhaled. Avoid breathing dust.

**Ingestion:** Harmful if swallowed.

**Skin:** Causes skin irritation. Avoid contact with skin. Harmful if absorbed through skin

**Eyes:** Corrosive to eyes. Causes irreversible eye damage. Do not get in eyes.

**Sensitisation:** This product is a skin sensitizer.

**Toxicity:** This product is not listed as a carcinogen.  
Dermal LD<sub>50</sub>: 5000 mg/kg of body weight in rats.  
Primary irritation study (rabbit, 24 hr): 4.6 (moderately to severely irritating)  
Inhalation LC<sub>50</sub>: 0.3-1.0 mg l<sup>-1</sup> (rats, 4 hr exposure)

## 12 ECOLOGICAL INFORMATION.

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries or oceans. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authorities.

## 13 DISPOSAL CONSIDERATIONS.

**Disposal Method:** Do not put product, spilled product or filled or partially filled containers into the waste. Contact with incompatible materials could cause a reaction or fire. Disposal of unused, uncontaminated product is regulated according to local and national regulations.

**Empty Containers:** Do not re-use container. Rinse thoroughly before discarding.

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## 14 TRANSPORT INFORMATION.

UN No.: UN1759

**Proper shipping name (PSN), including any technical name:** Corrosive solids, n.o.s. (contains troclosene sodium)

**Class/Division:** 8

**Packing Group (if any):** II

**Hazard ID No.:** 80

**EAC:** 2X

## 15 Regulatory Information.

**Product Name:** Shimmer

**Symbol:** C, N

**Indication(s) of danger:** Corrosive, Dangerous for the Environment

**Risk phrases:**  
R34 Causes burns  
R42/43 May cause sensitisation by inhalation and skin contact  
R50/53 Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment

**Safety phrases:**  
S1/2 Keep locked up and out of the reach of children.  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S60 This material and its container must be disposed of as hazardous waste  
S61 Avoid release to the environment. Refer to special instructions/safety data sheet

**WARNING:** Do not use with other products. May release gases (chlorine).

**Applicable EU provisions and associated UK legislation:** The Chemical (Hazards Information & Packaging) Regulations 2002.

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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, ACIGH tables.

Reviewed 21/06/07 – Amended

**The data in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1998, 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.**

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