



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

Product Name:

Guardex Shimmer.

Product Code:

20 35 530 004

20 35 000 325:

Pool Starter Kit – Chlorine

Chemical Name:

Troclosene Sodium.

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



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2. Composition

Substance: Troclocsene Sodium
 Weight %: 60-65
 EC Number: 220-767-7
 CAS Number: 2893-78-9
 R Phrases: 8, 22, 31, 36/37, 50/53
 Symbol: O, Xn, N
 WEL: WEL

Substance: Sodium Persulphate
 Weight %: 15-40
 EC Number: 231-892-1
 CAS Number: 7775-27-1
 R Phrases: 8, 22, 42/43
 Symbol: O, Xn
 WEL: WEL

Substance: Aluminium Sulphate
 Weight %: 5-10
 EC Number: 233-135-0
 CAS Number: 10043-01-3
 R Phrases: 36/37/38
 Symbol: Xi
 WEL: WEL

Substance: Sodium Tetraborate
 Weight %: <10
 EC Number: N/A
 CAS Number: 12179-04-3
 R Phrases: N/A
 Symbol: N/A
 WEL: WEL



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Substance:	Zinc Sulphate
Weight %:	<10
EC Number:	N/A
CAS Number:	7446-20-0
R Phrases:	22, 41, 50/53
Symbol:	Xn, N
WEL:	WEL

Substance:	Copper Citrate
Weight %:	<2
EC Number:	N/A
CAS Number:	10402-15-0
R Phrases:	N/A
Symbol:	N/A
WEL:	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.



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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.

Note:

When seeking medical attention, always show the product label.

5. Fire Fighting Measures

Suitable extinguishing media:

Water fog, CO₂.

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.



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

Exposure Limits:		Aluminium sulphate
8hr TWA	ppm:	-
	mg/m ³ :	2
15min STEL	ppm:	-
	mg/m ³ :	-
Authority:		EH40

Exposure Limits:		Sodium persulphate
8hr TWA	ppm:	-
	mg/m ³ :	0.1
15min STEL	ppm:	-
	mg/m ³ :	-
Authority:		ACGIH



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Exposure Limits:		As total dust
8hr TWA	ppm:	-
	mg/m ³ :	10
15min STEL	ppm:	-
	mg/m ³ :	-
Authority:		EH40

Exposure Limits:		As respirable dust
8hr TWA	ppm:	-
	mg/m ³ :	4
15min STEL	ppm:	-
	mg/m ³ :	-
Authority:		EH40

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.



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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.



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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 LD50: 5000 mg/kg of body weight in rats.

Primary irritation study (rabbit, 24 hr): 4.6 (moderately to severely irritating)

Inhalation LC50: 0.3-1.0 mg/l-1 (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.



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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.

14. Transport Information

UN Number:	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 Number:	80
EAC:	2X



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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.

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.