

Legal Disclaimer

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1. Section 1: Identification of the substance/mixture and the company/undertaking.

1.1 Product identifier.

Product name: Essentials / Swimmer Multifunctional Chlorine Tablets
Product codes: 20 86 540 010 – Essentials Stabilised Multifunctional Small Chlorine Tablets 1kg
20 86 539 025 – Swimmer 200g Multifunctional Chlorine Tablets 2kg
20 86 539 050 – Swimmer 200g Multifunctional Chlorine Tablets 5kg
Product name: Swimmer Chlorine Tablets
Product codes: 20 86 540 020 – Swimmer Chlorine Tablets 200g 2kg
20 86 540 050 – Swimmer Chlorine Tablets 200g 5kg
20 86 540 250 – Swimmer Chlorine Tablets 200g 25kg
20 86 537 025 – Swimmer Chlorine Tablets Small 2.5kg

1.2 Relevant identified uses of the substance or mixture and uses advised against.

Uses: For disinfection of pool and spa water.

1.3 Details of the supplier of the safety data sheet.

Name of supplier: Golden Coast Ltd
Address of supplier: Fishleigh Road, Roundswell Commercial Park West, Barnstaple, Devon. EX31 3UA
Phone number: 01271 378 100
Responsible person: Jamie Adams
Email: swimmer@goldenc.com
Web address: www.goldenc.com

1.4 Emergency phone number: 01271 378 100 (office hours)

2. Section 2: Hazards identification.

2.1 Classification of the substance or mixture.

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Statements
Ox. Sol. 3	H272
Acute Tox.4*	H302
Eye Irrit. 2	H319
STOT SE 3	H335
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Most important adverse effects

Human Health: See section 11 for toxicological information
Physical & Chemical Hazards: See section 9 for physiochemical information.
Potential environmental effects: See section 12 for environmental information.

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2.2 Label elements.

The product is classified and labelled according to the CLP regulation

Hazard symbols:			
	GHS03	GHS07	GHS09
Signal word:	Warning		

Hazard-determining components of labelling: trichloroisocyanuric acid

Hazard statement: H272: May intensify fire; oxidiser
H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation
H410: Very toxic to aquatic life with long lasting effects

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children
P201: Obtain special instructions before use
P221: Take any precaution to avoid mixing with combustibles.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313: IF exposed or concerned: Get medical advice / attention
P402: Store in a dry place
P405: Store locked up.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: EUH031 Contact with acids liberates toxic gas.

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

2.3 Other hazards.

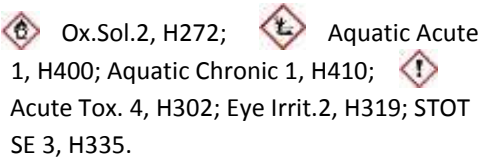
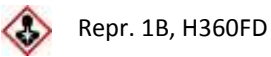
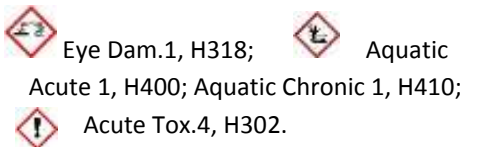





PBT and vPvB assessment: PBT: Not applicable
vPvB: Not applicable

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3. Section 3: Composition/information on ingredients.

3.2 Mixtures.

CAS-No.	EINECS	Index-No.	%	
<i>Trichloroisocyanuric acid</i>				
87-90-1	201-782-8	613-031-00-5	75- 100%	 Ox.Sol.2, H272;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox. 4, H302; Eye Irrit.2, H319; STOT SE 3, H335.
<i>Boric Acid</i>				
10043-35-3	233-139-2	005-007-00-2	0.5 - 1%	 Repr. 1B, H360FD
<i>Copper (II) sulfate, pentahydrate</i>				
7758-99-8	231-847-6		0.5 – 1%	 Eye Dam.1, H318;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Acute Tox.4, H302.
<i>Aluminium sulfate octadecahydrate</i>				
7784-99-8	233-135-0		0.5 – 1 %	 Eye Dam.1, H318

SVHC

10043-35-3 boric acid

Additional information: For the wording of the listed hazard phrases refer to section 16.

3. Section 4: First aid measures.

4.1 Description of first aid measures.

General Advice:	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
After inhalation:	Supply fresh air; consult a doctor in case of complaints.
After skin contact:	Seek medical treatment
After eye contact:	Call a doctor immediately. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Rinse out mouth and then drink plenty of water. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed.

Symptoms and effects: No relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

Treatment: No relevant information available.

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5. Section 5: Firefighting measures.

5.1 Extinguishing media.

Suitable extinguishing media: Water, water spray, carbon dioxide.

Unsuitable extinguishing media: Extinguishing powder, foam, water with full jet.

5.2 Special hazards arising from the substance or mixture.

Specific hazards during fire-fighting: Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released:

Nitrogen oxides (NO_x); Hydrogen chloride (HCl)

5.3 Advice for firefighters.

Special protective equipment: Wear self-contained respiratory protective device.

Wear fully protective suit.

Mouth respiratory protective device.

Additional information:

Cool endangered receptacle with water spray.

Collect contaminated firefighting water separately. It must not enter the sewage system.

6. Section 6: Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures.

Personal Precautions: Avoid formation of dust.

Ensure adequate ventilation.

Mount respiratory protective device.

6.2 Environmental precautions.

Environmental precautions: Keep contaminated washing water and dispose of appropriately.

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up.

Cleaning up: Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections.

Other sections: See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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7. Section 7: Handling and storage.

7.1 Precautions for safe handling.

Advice on safe handling: Store in cool, dry place in tightly closed receptacles
Provide suction extractors if dust is formed.
Restrict the quantity stored at the work place.
Do not refill residue into storage receptacles.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas: Store only in the original receptacle.
Common storage facility: Do not store together with acids.
Further information on storage: Protect from humidity and water.
Keep container tightly sealed.
Store in cool, dry conditions in well-sealed receptacles.
Storage class: 5.1B

7.3 Specific end use(s).

Specific use(s): No relevant information available.

8. Section 8: Exposure controls/personal protection.

8.1 Control parameters.

Ingredients with limit values that require monitoring at the workplace:

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace:

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls.

Personal protective equipment

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

Respiratory protection: Use suitable respiratory protective device when high concentrations are present. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands: Wear suitable chemical resistant gloves.

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product.

Selection of the glove material on consideration of the penetration times, rate of diffusion and the degradation.

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Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove cannot be calculated in advance and has therefore got to be checked prior to application.

Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR
Chloroprene rubber, CR
Butyl rubber, BR

Eye protection:	Tightly sealed goggles
Body protection:	Protective work clothing, boots, apron.

9. Section 9: Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

General Information

Appearance:

Form:	Tablets
Colour:	Blue
Odour:	Like chlorine
Odour threshold:	Not determined.

pH-value (10 g/l) at 20°C:	2.0 - 2.7
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Change in condition:

Melting point/Melting range:	225-240°C
Boiling point/Boiling range:	Undetermined.

Flash point:	Not applicable
Flammability (solid gaseous):"	
Decomposition temperature:	225°C
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	Lower: Not determined.
	Upper: Not determined.

Vapour pressure:	Not applicable.
Density @ 20°C:	ca. 2.5 g/cm ³

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Relative density: Not determined
Vapour density: Not applicable.
Evaporation rate: Not applicable.
Solubility in/Miscibility with water at 25°C: 12 g/l
Partition coefficient (n-octanol/water): Not determined

Dynamic viscosity: Not applicable.
Kinematic viscosity: Not applicable.
Solvent content: 0.00%
Solid content: 100.00%

9.2 Other Information

Other information: No further relevant information available.

10. Section 10: Stability and reactivity.

10.1 Reactivity.

Reactivity: No further relevant information available.

10.2 Chemical stability.

Chemical stability: No further relevant information available.

10.3 Possibility of hazardous reactions.

Hazardous reactions

Reacts with oxidising agents
Reacts with strong alkali.
Reacts with amines.
Strong exothermic reaction with acids.
Reacts with flammable substances.
Reacts with acids releasing chlorine.
Reacts with reducing agents.

10.4 Conditions to avoid.

Conditions to avoid: No further relevant information available.

10.5 Incompatible materials.

Materials to avoid: No further relevant information available.

10.6 Hazardous decomposition products.

Haz.Decomp.products: Hydrogen chloride (HCl), Chlorine, Nitrogen oxides (NOx).

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11. Section 11: Toxicological information.

11.1 Information on toxicological effects.

Toxicity Values

<i>Trichloroisocyanuric acid</i>		<i>87-90-1</i>		
Route	Species	Test	Value	Units
Oral	Rat	LD50	406	Mg/kg
<i>Boric acid</i>		<i>10043-35-3</i>		
Oral	Rat	LD50	2660	Mg/kg

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
 Serious eye damage/irritation: Causes serious eye irritation.
 Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction).

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
 Carcinogenicity: Based on available data, the classification criteria are not met.
 Reproductive toxicity: Based on available data, the classification criteria are not met.
 STOT-single exposure: May cause respiratory irritation.
 STOT-repeated exposure: Based on available data, the classification criteria are not met.
 Aspiration hazard: Based on available data, the classification criteria are not met.

12. Section 12: Ecological information.

12.1 Toxicity.

Acute Toxicity

<i>Trichloroisocyanuric acid</i>		<i>87-90-1</i>			
Species	Test	Value	Units		
Daphnia	EC50	0.2	Mg/l	(Modified method based on the ASTM method E645-85)	
(Selenastrum capricornutum	EC50	0.5	Mg/l		
(Danio rerio (Zebraabärbling)	LC50	0.3	Mg/l		
<i>Boric acid</i>		<i>10043-35-3</i>			
(Chlorella pyrenoidisa)	NOEC	10	Mg/l	(ASTM Standard E 729-80)	
Daphnia	LC50	133	Mg/l		

12.2 Persistence and degradability.

Persistence and degradability: No further relevant information available.

12.3 Bioaccumulation potential.

Bioaccumulative potential: No further relevant information available.

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12.4 Mobility in soil.

Mobility in soil: No further relevant information available.

Ecotoxicological effects: Remark: Very toxic for fish.

Behaviour in sewage processing plants

10043-35-3 boric acid

NOEC 180mg/l (Activated sludge) (OECD "Chironomid testing using spiked sediment")

Additional ecological information:

General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms.

12.5 Results of PBT and vPvB assessment.

Results of PBT and PvB: Not applicable.

12.6 Other adverse effects.

Other adverse effects: No further information available.

13. Section 13: Disposal considerations.

13.1 Waste treatment methods.

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Empty contaminated packaging's thoroughly. They may be recycled after thorough and proper cleaning.

Packaging's that may not be cleansed are to be disposed of in the same manner as the product.

Recommended cleansing agents:

Water, if necessary together with cleaning agents.

14. Section 14: Transport information.

14.1 UN number.

UN1479

14.2 UN proper shipping name.

ADR: 1479 TRICHLOROISOCYANURIC ACID DRY, ENVIRONMENTALLY HAZARDOUS

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IMDG: TRICHLOROISOCYANURIC ACID, MARINE POLLUTANT
IATA: TRICHLOROISOCYANURIC ACID

14.3 Transport hazard class(es). ADR / IMDG



Class: 5.1 Oxidising substances.
 Label: 5.1

IATA:



Class: 5.1 Oxidising substances
 Label: 5.1

14.4 Packing group.

ADR / IMDG / IATA: III

14.5 Environmental hazards.

Marine Pollutant: Yes Yes
 Symbol (fish and tree)
 Special marking (ADR): Symbol (fish and tree)

14.6 Special precautions for user.

Special precautions: Warning: Oxidising substances
 Danger code (Kemler): 50
 EMS Number: F-A,S-Q
 Stowage Category: B
 Segregation code: SG38 Stow "separated from" ammonium compounds
 SG49 Stow "separation from" cyanides
 SG60 Stow "separated from" peroxides
 SG61 Stow "separated from" powdered materials

14.7 Transport in bulk according to annex II of MARPOL 73/78 and the IBC code.

Not applicable

Transport / Additional information:

ADR: E1
 Excepted quantities (EQ): 5kg
 Limited quantities (LQ): E1
 Excepted quantities (EQ) code: Maximum net quantity per inner packaging: 30g
 Maximum net quantity per outer packaging: 1000g
 Transport category: 3
 Tunnel restriction code: E

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IMDG

Limited quantities (LQ): 5kg

Excepted quantities (EQ) code: E1

Maximum net quantity per inner packaging: 30g

Maximum net quantity per outer packaging: 1000g

UN "Model Regulation": UN2468 TRICHLOROISOCYANURIC ACID, 5.1, III, ENVIRONMENTALLY HAZARDOUS

15. Section 15: Regulatory information.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Directive 2012/18/EU

Named dangerous substances – ANNEX I None of the ingredients is listed

Seveso category

P8

OXIDISING LIQUIDS AND SOLIDS

E1

Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 50t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 30

National regulations:

Other regulations, limitations and prohibitive regulations.

Substances of very high concern (SVHC) according to REACH, Articles 57

10043-35-3 boric acid

15.2 Chemical safety assessment.

A Chemical Safety Assessment has not been carried out.

16. Section 16: Other information.

Full text of H-statements referred to under sections 2 and 3

H272: May intensify fire; oxidiser

H302: Harmful if swallowed

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H360FD: May damage fertility. May damage the unborn child.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects

Further information:

Restricted to professional users. Attention – Avoid exposure- obtain special instructions before use.

Safety Data Sheet

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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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