

**Legal Disclaimer**

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**1. Section 1: Identification of the substance/mixture and the company/undertaking.****1.1 Product identifier.**

Product name: Swimmer / Essentials pH Reducer  
Product code: 20 86 572 015 – Essentials Spa pH Reducer 1.5kg  
20 86 572 070 – Swimmer pH Reducer 7kg  
20 86 572 250 – Swimmer pH Reducer 25kg

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

Swimming pool water treatments

**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](mailto:swimmer@goldenc.com)  
Web address: [www.goldenc.com](http://www.goldenc.com)

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

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**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
Eye Dam. 1	H318

For the full text of H statements mentioned in this section see Section 16.

**Most important adverse effects**

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

**2.2 Label elements.**

**Labelling according to Regulation (EC) No 1272/2008**

Hazard symbols:



Signal word: Danger  
Hazard statements: H318: Causes serious eye damage.  
Precautionary statements: P102: Keep out of the reach of children  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P308+310: If exposed or concerned: Immediately call a POISON CENTRE or doctor/physician

P405: Store locked up.

P501: Dispose of contents/container to an approved waste disposal plant.

## Hazardous components which must be listed on the label

Sodium Hydrogen Sulfate.

## 2.3 Other hazards.

Results of PBT and vPvB assessment not required (inorganic).

## 3. Section 3: Composition/information on ingredients.

### 3.1 Substances.

Chemical Name	CAS-No.	EC-No	Index-No	%	CLP Classification
Sodium Hydrogen Sulfate	7681-38-1	231-665-7	)16-046-00-X	93-100%	H318

Full text of H- and EUH-phrases: see section 16

### 3.2 Mixtures.

Not applicable.

## 4. Section 4: First aid measures.

### 4.1 Description of first aid measures.

General Advice:	Take off all contaminated clothing immediately.
If Inhaled:	Move to fresh air. Call a physician immediately.
In case of skin contact:	Wash off immediately with plenty of soap & water. If irritation persists seek medical advice.
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Remove contact lenses. Call a physician immediately.
If swallowed:	Do NOT induce vomiting. Drink plenty of water. Consult a physician.
Additional information:	IF exposed or concerned: Get medical advice/ attention. If medical advice is needed, have product container or label at hand.

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

Inhalation: May cause irritation of respiratory tract. Inhalation may provoke the following symptoms: Shortness of breath, cough, dry/sore throat.

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Skin contact:	May be irritating. Skin contact may provoke the following symptoms: Redness, pain, blisters.
Eye contact:	Causes serious eye damage. Eye contact may provoke the following symptoms: Redness, pain.
Ingestion:	Ingestion may cause irritation to mucous membranes. Ingestion may provoke the following symptoms: Abdominal pain, burning sensation.

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

Treatment: No further information available.

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**5. Section 5: Firefighting measures.****5.1 Extinguishing media.**

Suitable media: Use dry chemical, CO<sub>2</sub>, water spray or alcohol resistant foam.

Unsuitable media: High volume water jet.

**5.2 Special hazards arising from the substance or mixture.**

Fire Hazard: No flammable substance.

Specific Hazards: Burning produces noxious and toxic fumes. Sox, NaOx.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
The pressure in sealed containers can increase under the influence of heat.  
Vapours may form explosive mixture with air.  
Vapours are heavier than air and may spread along the floor.

**5.3 Advice for firefighters.**

Advice for firefighters: In the event of fire, wear self-contained breathing apparatus. In the event of fire, cool tanks with water spray.

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**6. Section 6: Accidental release measures.****6.1 Personal precautions, protective equipment and emergency procedures.**

Personal precautions: Wear protective clothing as per Section 8  
Evacuate the area and keep personnel upwind.  
Avoid breathing gas/mist/fumes. Avoid contact with skin and eyes.  
Eye wash bottles should be available.

**6.2 Environmental precautions.**

Environmental precautions: Do not allow to enter public sewers and watercourses.

**6.3 Methods and material for containment and cleaning up.**

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Cleaning up: Prevent further leakage or spillage if safe to do so. Sweep up.  
Place in sealed and labelled appropriate containers. Remove contaminated material to safe location for subsequent disposal. Local authorities should be advised if significant spillages cannot be contained.

## 6.4 Reference to other sections.

Other sections: For personal protection see Section 8  
For disposal considerations see Section 13.

## 7. Section 7: Handling and storage.

### 7.1 Precautions for safe handling.

Advice on safe handling: Storage and handling must take place in conformity with national laws: GO70STORA025. Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Ensure that eye flushing systems and safety showers are located close to the working area.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before re-use. Keep working clothes separately.

### 7.2 Conditions for safe storage, including any incompatibilities.

Storage areas: Store in a dry, cool, well-ventilated area. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep container closed and dry. Keep away from open flames, hot surfaces and sources of ignition.

### 7.3 Specific end use(s).

No information available.

## 8. Section 8: Exposure controls/personal protection.

### 8.1 Control parameters.

Exposure limits: No information available.

PNEC		
Freshwater	11.09	Mg/l
Marinewater	1.11	Mg/l
Intermittent release	17.66	Mg/l
Sediment (Freshwater)	40.2	Mg/kg sediment dw
Sediment (Marinewater)	4.02	Mg/kg sediment dw
Soil 1.54	1.54	Mg/kg soil dw
STP	800	Mg/l

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## 8.2 Exposure controls.

### Personal protective equipment

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:	Respirator with a full face mask (EN136). Recommended Filter type: ABEK/P2 (EN141). Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe (EN138/269 – EN137 – EN139).
Hand protection:	Rubber gloves (EN374): PVC. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specifications of the supplier gloves.
Eye protection:	Tightly fitting safety goggles (EN166).
Skin and body protection:	Chemical-resistant overalls.
Thermal hazard protection:	Not required under normal use. Use dedicated equipment.
Engineering measures:	Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Ensure that eye wash stations and safety showers are close to the workstation location. Eye wash bottle with pure water. Organisational measures to prevent/limit releases, dispersion and exposure. See also Section 7.

### Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer systems. Avoid subsoil penetration.

## 9. Section 9: Physical and chemical properties.

### 9.1 Information on basic physical and chemical properties.

Form:	Crystals, granular
Colour:	White, light yellow.
Odour:	None.
pH @ 20°C:	1.3
Melting point:	315°C
Boiling point:	Not known
Flash point:	Not applicable

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Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Explosion limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density:	1,4 – 1,5 kg/l
Water solubility:	ca 1080 g/l 2 @ 25°C
Solubility in other solvents:	Not applicable
Partition coefficient:n-octanol/water:	-2,2 (KOWWIN
Autoignition temperature:	Not applicable.
Thermal decomposition:	460°C
Explosive properties:	Not applicable.

## 9.2 Other Information

No further information available.

## 10. Section 10: Stability and reactivity.

### 10.1 Reactivity.

Reactivity: See also section 10.5

### 10.2 Chemical stability.

Chemical stability: Hygroscopic

### 10.3 Possibility of hazardous reactions.

Hazardous reactions: Acidic aqueous solution. Gives off hydrogen by reaction with metals.

### 10.4 Conditions to avoid.

Conditions to avoid: Avoid dust formation, moisture and heat. See also Section 7.

### 10.5 Incompatible materials.

Materials to avoid: Hydrolyses in presence of: Water, acidic aqueous solution. Gives off hydrogen by reaction with metals. See also Section 7.

### 10.6 Hazardous decomposition products.

Haz. decomp. products: Possible decomposition products are: Acidic aqueous solution. Gives off hydrogen by reaction with metals. Vapours may form explosive mixture with air.

## 11. Section 11: Toxicological information.

### 11.1 Information on toxicological effects.

**Acute toxicity:** Not classified (Not classified due to data which are conclusive although insufficient for classification)

Sodium hydrogensulphate (7681-38-1)			
LD50	Oral-rat	2140 mg/kg	Sulphuric acid
LC50	Inhalation/4h - rat	>2400 mg/m <sup>3</sup>	Sodium sulphate

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Skin corrosion/irritation:	Not classified (Not classified due to data which are conclusive although insufficient for classification.) pH: 1,3
Serious eye damage/irritation:	Causes serious eye damage. pH: 1,3
Respiratory or skin sensitisation:	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Germ cell mutagenicity:	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Carcinogenicity:	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Reproductive toxicity:	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Specific target organ toxicity (single exposure):	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Specific target organ toxicity: (repeated exposure):	Not classified (Not classified due to data which are conclusive although insufficient for classification.)
Aspiration hazard:	Not classified (Not classified due to data which are conclusive although insufficient for classification.)

## Further information

Watery solution: same properties as H<sub>2</sub>SO<sub>4</sub>. Fine granules, crystals or powder. Fine substance that can cause the irritation of the airways, with coughing and the contraction of the airways. In contact with water the product forms sulphuric acid that can cause burns.

## 12. Section 12: Ecological information.

### 12.1 Toxicity.

**Etoxicity effects:** Toxic to aquatic organisms

Sodium hydrogensulphate (7681-38-1)				
LC50	96h	fish	7960	Mg/l
EC50	48h	daphnia	1766	Mg/l

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IC50	72h	algae	1900	Mg/l
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**12.2 Persistence and degradability.**

Persistence and degradability: Hydrolysis in water

**12.3 Bioaccumulation potential.**

Bioaccumulative potential: Low bioaccumulation potential

Partition coefficient: n-octanol/water -2,2 (KOWWIN)

**12.4 Mobility in soil.**

Mobility in soil: Highly mobile in soil

**12.5 Results of PBT and vPvB assessment.**

PBT & PVT: Results of PBT and vPvB assessment: Not required (inorganic)

**12.6 Other adverse effects.**

Other adverse effects: No information available.

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**13. Section 13: Disposal considerations.****13.1 Waste treatment methods.**

Product: Disposal together with normal waste is not allowed. Handle with care. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging: Dispose of in accordance with local regulations

European Waste Catalogue No: Classified as hazardous waste according to European Union regulation. (06 03 03)  
Waste codes should be assigned by the user based on the application for which the product is used.

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**14. Section 14: Transport information.****14.1 Transport class:**

This product does not require a classification for transport.

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**15. Section 15: Regulatory information.****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.****15.1.1 EU - Regulations**

This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.****15.1.1 EU – Regulations**



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TSCA (US): OK AICS (Australia): OK DSL (Canada): OK ENCS (Japan): OK ECL (Korea): OK PICCS (Philippines): OK  
Authorisations/Restrictions on use: Not applicable.

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC:  
None.

**15.1.2 National Regulations****Germany**

VwVwS Annex reference: Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)  
12<sup>th</sup> Ordinance Implementing the Federal Immission Control Act – 12.BImSchV: Is not subject of the 12.BImSchV  
(Hazardous Incident Ordinance)

**Netherlands**

SZW-lijst van kankerverwekkende stoffen: None of the components are listed

SZW-lijst van mutagene stoffen: None if the components are listed

NIET-limitatieve lijst van voor de voorplanting giftige stoffen – Borstvoeding : None of the components are listed.

NIET-limitatieve lijst van voor de voorplanting giftige stoffen – Vruchtbaarheid : None of the components are listed.

NIET-limitatieve lijst van voor de voorplanting giftige stoffen – Ontwikkeling : None of the components are listed.

**15.2 Chemical Safety Assessment**

A chemical safety assessment has been carried out for the substance.

**16. Section 16: Other information.**

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

H318: Causes serious eye damage.

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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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