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

1.1 Product identifier.

Product name:	pH Reducer
Product code:	20 86 572 015 – Essentials Spa 1.5kg
	20 86 000 220 - Essentials Spa Starter Pack – Bromine
	20 86 000 225 - Essentials Spa Starter Pack – Chlorine
	20 05 552 012 - Aquablanc Spa Starter Pack
	20 86 572 070 – Swimmer Pool 7kg
	20 86 572 250 – Swimmer Pool 25kg
	20 86 000 320 – Swimmer Above Ground Pool Starter Pack

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

Pool/spa treatment.

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 378100.
Responsible person:	Jamie Adams
Email:	swimmer@goldenc.com

1.4 Emergency phone number: 01271 378100 (office hours)

2. Hazards identification.

2.1 Classification of the substance or mixture.

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS].

Eye Dam. 1:	H318

Classification (67/548/EEC, 1999/45/EC).

Xi:	R41
Additional Information:	For full text of R-Phrases and Hazard and EU Hazard statements; see Section 16.

2.2 Label elements.

Signal Word:	Danger.
Symbols:	GHS05
Hazard Phrases:	Causes serious eye damage.

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Precautionary Phrases:	Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTRE or doctor/physician if you feel unwell. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards.

Not a PBT according to REACH Annex XIII.

3. Composition/information on ingredients.

3.1 Mixtures.

Chemical Name	Concentration	CAS Number	EC Number	R/H Phases*	Symbols
Sodium hydrogensulphate REACH: 01-2119552465-36-0003	92%	7681-38-1	231-665-7	H318, R41	GHS05, Xi

* See Section 16.

4. First aid measures.

4.1 Description of first aid measures.

If Inhaled:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If on Skin (or hair):	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
If in Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If Swallowed:	Rinse mouth. Do NOT induce vomiting.
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.

May cause respiratory irritation.
The ingestion of significant quantities may cause gastro-intestinal disturbances.
Risk of serious damage to eyes (R41).
Possible redness of affected areas.

4.3 Indication of immediate medical attention and special treatment needed.

Treat symptomatically.

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5. Firefighting measures.

5.1 Extinguishing media.

In Case of Fire:	Use carbon dioxide or dry agent for extinction.
Unsuitable Extinguishing Media:	High volume water jet.

5.2 Special hazards arising from the substance or mixture.

See Section 10.6
Gives off irritating or toxic fumes (or gases) in a fire.
Vapours may ignite.
Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

5.3 Advice for firefighters.

Wear protective clothing as per Section 8.
Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.

6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures.

Wear protective clothing as per Section 8.
Evacuate the area and keep personnel upwind.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Avoid contact with skin and eyes.
Eyewash bottles should be available.

6.2 Environmental precautions.

Do not allow to enter public sewers and watercourses.

6.3 Methods and material for containment and cleaning up.

Collect spillage.
Place in appropriate container.
Seal containers and label them.
Remove contaminated material to safe location for subsequent disposal.

6.4 Reference to other sections.

See Section 7 & 8.

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7. Handling and storage.

7.1 Precautions for safe handling.

Avoid contact with skin and eyes.
Prevent formation of dust.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Eyewash bottles should be available.

7.2 Conditions for safe storage, including any incompatibilities.

Keep away from foodstuff.
Keep in a cool, dry, well ventilated place.
Keep only in original container.
Protect from heat.

7.3 Specific end use(s).

No information available.

8. Exposure controls/personal protection.

8.1 Control parameters.

No information available.

8.2 Exposure controls.

Engineering controls should be provided which maintain airborne concentrations as low as practicable.

Occupational Exposure Controls.

In case of inadequate ventilation wear respiratory protection.
Wear safety glasses approved to standard EN166.
Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and Standard EN374.
Wear rubber gloves.
Wear apron or other light protective clothing.

Respirator Goggles Gloves Suit

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9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Odour:	None.
Appearance:	Colourless to yellow, crystals.
pH:	1.3
Boiling point:	Not known.
Vapour pressure:	Not applicable.
Vapour density:	1.5kg/m3
Melting point:	315 ºC.
Water solubility:	1080 g/l.
Specific gravity:	Not known.
Flash point:	Not applicable.
Non explosive.	
Partition coefficient: n-octanol/water:	-2,2 KOWWIN.
Evaporation rate:	Not known.
Viscosity:	Not applicable.

9.2 Other Information

No information available.

10. Stability and reactivity.

10.1 Reactivity.

No information available.

10.2 Chemical stability.

Hygroscopic.

10.3 Possibility of hazardous reactions.

Reacts with metals liberating hydrogen.

10.4 Conditions to avoid.

Avoid formation of dust.

Keep away from heat and moisture.

10.5 Incompatible materials.

Incompatible with metals.

Contact with metals liberates flammable gas.

10.6 Hazardous decomposition products.

Decomposition products may include oxides of nitrogen, sulphur and carbon.

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11. Toxicological information.

11.1 Information on toxicological effects.

Inhalation:	May cause respiratory tract irritation. In cases of severe exposure, shortness of breath may develop. May cause coughing. Causes dry throat.
Contact with Skin:	May cause redness and irritation.
Contact with Eyes:	Causes severe irritation. Causes pain. Causes redness.
Ingestion:	The ingestion of significant quantities may cause nausea/vomiting. The ingestion of significant quantities may cause gastro-intestinal disturbances.
Carcinogenicity:	No evidence of carcinogenic effects.
Teratogenicity:	No information available.
Mutagencitiy:	No information available.

12. Ecological information.

12.1 Toxicity.
LC50 (fish) 7960 mg/l (96 hr).
EC50 (daphnia) 1766 mg/l (48 hr).

12.2 Persistence and degradability.
Degrades by hydrolysis.

12.3 Bioaccumulation potential.
Low bioaccumulation potential.

12.4 Mobility in soil.
High mobility in soil.

12.5 Results of PBT and vPvB assessment.
Not a PBT according to REACH Annex X111.

12.6 Other adverse effects.
No information available.

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13. Disposal considerations.

13.1 Waste treatment methods.

Disposal should be in accordance with local, state or national legislation.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

Classification.
Waste Codes in accordance with the European Waste Catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

14. Transport information.

14.1 UN number.

14.2 UN proper shipping name.
N/A

14.3 Transport hazard class(es).

14.4 Packing group.

14.5 Environmental hazards.
On available data, substance is not harmful to the environment.

14.6 Special precautions for user.
See Section 7.

14.7 Transport in bulk according to annex II of MARPOL 73/78 and the IBC code.
Not applicable.

Other information.

Road/Rail (ADR/RID).
Proper shipping name: N/A.
ADR UN number:
ADR hazard class:
ADR packing group:
Tunnel code:

Sea (IMDG).
Proper shipping name: N/A.
IMDG UN number:
IMDG hazard class:
IMDG pack group:

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Air (ICAO/IATA).

Proper shipping name:	N/A.
ICAO UN number:	
ICAO hazard class:	
ICAO packing group:	

15. Regulatory information.

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

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

15.2 Chemical safety assessment.

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

16. Section 16: Other information.

Text of R and S Phrase codes used in this Safety Data Sheet:

H318:	Causes serious eye damage.
R41:	Risk of serious damage to eyes.

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.