

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 Alkalinity Increaser
Product code: 20 86 578 010 – Essentials Spa Alkalinity Increaser 1kg
20 86 578 050 – Swimmer Alkalinity Increaser 5kg
20 86 578 250 – Swimmer Alkalinity Increaser 25kg

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

To increase total alkalinity of pool 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

No classified for supply

2.2 Label elements.

Labelling according to Regulation (EC) No 1272/2008

EC No. 205-633-8

Label in accordance with (EC) No. 1272/2008

2.3 Other hazards.

Not classified as PBT/vPvB by current EU criteria.

3. Section 3: Composition/information on ingredients.**3.1 Substances.**

SODIUM BICARBINATE

CAS No:	EC No:	Reach Reg	Gross Formula
144-55-8	205-633-8	01-2119457606-32-XXXX	CH2O3.Na
Composition Comments		Purity > 99.0 % w/w	

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4. Section 4: First aid measures.**4.1 Description of first aid measures.**

General Advice:	Immediately remove contaminated clothing
If inhaled:	Remove to fresh air. Rinse nose and mouth with water. Consult doctor in case of complaints.
In case of skin contact:	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Remove contact lenses. Seek medical attention immediately.
If swallowed:	Rinse mouth with water and then drink plenty of water. Seek medical attention & show the label where possible.

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

Symptoms:	No further information available.
Effects:	No further information available.

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

Treatment:	No recommendation given, but first aid may still be required in case of accidental exposure.
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5. Section 5: Firefighting measures.**5.1 Extinguishing media.**

Extinguishing media:	This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
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5.2 Special hazards arising from the substance or mixture.

Specific hazards:	When heated and in case of fire, irritating vapours/gases may be formed.
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5.3 Advice for firefighters.

Protective equipment:	Follow the general fire precautions indicated in the workplace.
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6. Section 6: Accidental release measures.**6.1 Personal precautions, protective equipment and emergency procedures.**

Personal Precautions:	Avoid inhalation of dust. Avoid contact with skin and eyes. Provide adequate ventilation.
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6.2 Environmental precautions.

Environmental Precautions:	Prevent entry into drains.
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6.3 Methods and material for containment and cleaning up.

Clean-up procedures:	Dispose of contaminated material as waste. Ensure adequate ventilation. Collect mechanically.
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6.4 Reference to other sections.

See section 8 for information on personal protective equipment.

See section 13 for waste treatment information.

7. Section 7: Handling and storage.**7.1 Precautions for safe handling.**

Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Avoid handling which leads to dust formation. Provide good ventilation. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the worksite.

7.2 Conditions for safe storage, including any incompatibilities.

Store in a tightly closed original container in a dry, and well-ventilated place. Keep in original container. Store at temperature below 50°C.

Advice on common storage: Do not store near acids

Storage Temperature: Protect from frost.

7.3 Specific end use(s).

No information available.

8. Section 8: Exposure controls/personal protection.**8.1 Control parameters.**

None assigned.

8.2 Exposure controls.**Engineering measures**

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

Personal protective equipment**Respiratory protection:**

No specific recommendation made, but protection against nuisance dust may be used when the general level exceeds 10 mg/m³. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2). EN149.

Hand protection:

Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection:

Wear safety glasses approved to standard EN 166.

Skin and body protection:

Wear apron or other light protective clothing.

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Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash hand at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9. Section 9: Physical and chemical properties.**9.1 Information on basic physical and chemical properties.**

Form:	Powder
Colour:	White
Odour:	No odour.
pH @ 20°C:	Diluted Solution 8 @ 5%
Boiling point:	Not determined
Melting point:	270°C
Relative density @20°C:	2.2
Evaporation rate:	Not applicable
Viscosity:	Not relevant
Solubility Value(G/100G H2O@20°C):	9.5
Decomposition temperature (°C):	50°C
Flash point (°C):	Not applicable
Flammability Limit - Lower(%):	The product has no flammability, explosive or self-inflammably properties.
Flammability Limit – Upper (%):	Not applicable
Partition Coefficient(N-Octanol/Water):	Not applicable – Inorganic chemical.
Oxidising properties:	Does not meet the criteria for oxidising.

9.2 Other Information

Mol. Weight:	85
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10. Section 10: Stability and reactivity.**10.1 Reactivity.**

Reactivity:	Reaction with acids.
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10.2 Chemical stability.

Chemical stability:	Stable under normal use and storage conditions.
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10.3 Possibility of hazardous reactions.

Hazardous reactions:	Will not polymerise
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10.4 Conditions to avoid.

Conditions to avoid:	Avoid excessive heat for prolonged periods of time. Water, moisture.
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10.5 Incompatible materials.

Materials to avoid:	Strong acids. Strong oxidising substances.
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10.6 Hazardous decomposition products.

Haz. decomp. products: Carbon dioxide (CO2). Carbon Monoxide (CO).

11. Section 11: Toxicological information.

11.1 Information on toxicological effects.

Acute Toxicity

Route	Species	Time	Test	Value	Units
Oral	Rat	-	LD50	>4220	Mg/kg
Inhalation	Rat	4hrs	LD50	>4.74	Mg/l

EPA-FIFRA 40 CFR 160.

EPA OTS 798.1150

Skin Corrosion/Irritation:

Erythema/eschar score: No erythema (0).

Oedema score: No oedema (0).

REACH dossier information OECD 404 Not irritating . Based on available data the classification criteria are not met.

Serious eye damage/irritation:

REACH dossier information OECD 404 Not irritating . Based on available data the classification criteria are not met.

Respiratory or skin sensitisation:

Skin sensitisation: Data lacking.

Germ cell mutagenicity:

Genotoxicity – In vitro DNA damage and/or repair:

Negative. Based on available data the classification criteria are not met.

Carcinogenicity:

No evidence of carcinogenicity in animal studies. Based on available data the classification criteria are not met.

Reproductive Toxicity – Fertility.

Scientifically unjustified: No erythema (0).

Reproductive Toxicity – Development: No oedema (0).

Developmental toxicity: NOAEL > 580 mg.kg/dat Oral Mouse

This substance has no evidence of toxicity to reproduction. Based on available data the classification criteria are not met.

Specific target organ toxicity – repeated exposure.

Respiratory or skin sensitisation:

STOT – Repeated exposure Data lacking.

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Aspiration hazard:

Viscosity:	Not relevant
General information:	No specific health warnings noted.
Inhalation:	Dust in high concentrations may irritate the respiratory system.
Ingestion:	May cause discomfort if swallowed.
Skin contact:	Powder may irritate skin.
Eye contact:	Particles in the eyes may cause irritation and smarting.

12. Section 12: Ecological information.**12.1 Toxicity.**

Toxicity effects: Not regarded as dangerous for the environment.

Acute Toxicity – Fish

LC50 96 hours 7100 mg/l *Lepomis macrochirus* (Bluegill) REACH dossier information EPA OPP 72-1

Acute Toxicity – Aquatic Invertebrates

EC50 48 hours 4100 mg/l *Daphnia magna* REACH dossier information EPA OPP 72-2.

Chronic Toxicity – Aquatic Invertebrates

NOEC 21 days > 576 mg/l *Daphnia magna*

12.2 Persistence and degradability.

No concerns based on available literature. The product solely consists of inorganic compounds which are not biodegradable.

12.3 Bioaccumulation potential.

The product does not contain any substances expected to be bioaccumulating.

12.4 Mobility in soil.

The product is soluble in water.

12.5 Results of PBT and vPvB assessment.

Not classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects.

None known.

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

Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies.

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.

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14. Section 14: Transport information.**14.1 UN number.**

Not applicable.

14.2 UN proper shipping name.

Not applicable.

14.3 Transport hazard class(es).

Not applicable.

14.4 Packing group.

Not applicable.

14.5 Environmental hazards.

Clean up even minor leaks or spills if possible without unnecessary risk.

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.

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

Guidance Notes

Workplace Exposure Limits EH40.**EU Legislation.**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) NO 1907/2006 with amendments.

Water hazard classification.

GK 1.

15.2 Chemical safety assessment.

Not applicable as the substance is not classified.

16. Section 16: Other information.

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from the use of this information. Users should make their own investigations to determine the suitability of the information for their own particular needs and uses.

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.

Further information relating to the pictograms, phrases, statements or acronyms contained within this Safety Data Sheet is available for download. Please refer to www.goldenc.com/resources/data-sheets