

Legal Disclaimer

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

1.1 Product identifier.

Product code and name: 20 86 530 003 - Essentials Spa Refresh 35g
20 86 530 004 – Swimmer Pool Refresh 350g

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

Uses: Disinfectant and clarifier

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
Web: www.goldenc.com
Email: swimmer@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
Resp. Sens.1	H334
Aquatic Acute 1	H400
Aquatic Chronic 1	H410
Skin Irrit.2	H315
Eye Irrit.2	H319
Skin Sens.1	H317
STOT SE 3	H335

For the full text of the 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 physicochemical information
Potential environmental effects See section 12 for environmental information

2.2 Label elements.

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:



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5. Section 5: Firefighting measures.

5.1 Extinguishing media.

Suitable media: Water, Water Spray, carbon dioxide
Unsuitable media: Extinguishing powder, Foam, Water with full jet

5.2 Special hazards arising from the substance or mixture.

Special Hazards: Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Nitrogen oxides (NOx); Hydrogen chloride (HCl); Chlorine; Nitrogen trichloride

5.3 Advice for firefighters.

Protective equipment: Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Thoroughly decontaminate fire-fighting equipment including all fire-fighting wearing apparel after the incident.
Further information: Cool endangered receptacles with water spray. Collect contaminated fire-fighting 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.
Mouth respiratory protective device.

6.2 Environmental precautions.

Environmental precautions: Cool endangered receptacles with water spray.
Collect contaminated fire-fighting water separately. It must not enter the sewage system.

6.3 Methods and material for containment and cleaning up.

Cleaning up: Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.

6.4 Reference to 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.

7. Section 7: Handling and storage.

7.1 Precautions for safe handling.

Safe handling: Store in a cool, dry place in tightly closed receptacles
Provide suction extractors if dust is formed

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- Restrict the quantity stored at the work place
- Do not refill residue into storage receptacles
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of dust

7.2 Conditions for safe storage, including any incompatibilities.

Storage requirements:	Store only in the original receptacle
Protection against fire:	Keep respiratory protective device available
Further information:	Protect from humidity and water
Common storage:	Do not store together with acids
Storage class:	5.1B

7.3 Specific end use(s).

No information is available.

8. Section 8: Exposure controls/personal protection.

8.1 Control parameters.

Components with critical values that require monitoring at the workplace: Observe all workplace limits for dust.

Sodium dichloroisocyanurate, dihydrate		ppm	Mg/m ³
WEL (Great Britain)	Short-term value:		0.07
	Long Term value		0.02
	Sen; as-NCO		

8.2 Exposure controls.

General measures

Keep away from foodstuffs, beverages and food. Instantly remove any contaminated garments. Wash hands during breaks and at the end of the work. Use skin protection cream for preventive skin protection. Do not eat, drink or smoke while working.

Personal protective equipment

Respiratory protection:

Dust proof mask – particle filter mask
 In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Use breathing protection in case of dust formation.

Suitable filter:

Filter AB2P2
 Filter AB2P3

Hand protection:

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

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Suitable media:	Nitrile rubber, NBR: Chloroprene rubber, CR: Butyl rubber, BR
Eye protection:	Tightly sealed safety goggles approved to standard EN 166. Provide eye station
Skin and body protection:	Protective work clothing, boots, apron

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

Form:	Granules
Colour:	White
Odour:	Like chlorine
pH @ 20°C:	6
Melting Point:	250°C
Boiling point/boiling range:	Not determined
Auto-ignition temperature:	Product is not self-igniting
Explosive properties:	Product does not present an explosion hazard
Water solubility:	250 g/l

9.2 Other Information

Solids content:	100%
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10. Section 10: Stability and reactivity.**10.1 Reactivity.**

Reactivity	No further relevant information
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10.2 Chemical stability.

Chemical stability	To avoid thermal decomposition do not overheat
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10.3 Possibility of hazardous reactions.

Hazardous reactions	Reacts with oxidizing agents, strong alkalis, amines and flammable substances Strong exothermic reaction with acids Reacts with acids releasing chlorine Reacts with reducing agents
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10.4 Conditions to avoid.

Conditions to avoid	No further relevant information
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10.5 Incompatible materials.

Incompatible materials	Warning! Do not use together with other products. May release dangerous gases.
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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.

Sodium dichloroisocyanurate, dihydrate		51580-86-0		
Route	Species	Test	Value	Units
Oral	Rat	LD50	1400	Mg/kg
Dermal	Rabbit	LD50	>2000	Mg/kg
Inhalative	Rat	LC50	950	Mg/kg
Disodium peroxodisulphate				
Oral	Rat	LD50	920	Mg/kg
Dermal	Rat	LD50	>10000	Mg/kg
Inhalative	Rat	LD50	>5.1	Mg/kg

Primary irritant effect

Skin corrosion/ irritation: Causes skin irritation
 Serious eye damage / irritation: Causes serious eye irritation
 Respiratory or skin sensitisation: May cause allergy or asthma symptoms or breathing difficulties if inhaled
 May cause an allergic skin reaction

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.

Very toxic for fish.

Disodium peroxodisulphate		7775-27-1		
Species	Test	Value	Units	
Daphnia	EC50	133	Mg/l	
(Danio rerio (Zebrafisch))	EC50	4.4	Mg/l	
(Selenastrum capricornutum (Grünalge))	IC50	33	Mg/l	

12.2 Persistence and degradability.

Persistence and degradability: No further relevant information

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12.3 Bioaccumulation potential.

Bioaccumulative potential: No further relevant information

12.4 Mobility in soil.

Mobility in soil: No further relevant information

12.5 Results of PBT and vPvB assessment.

PBT and PvB: Not applicable

12.6 Other adverse effects.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms

13. Section 13: Disposal considerations.

13.1 Waste treatment methods.

Must be specifically 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 packagings thoroughly. They may be recycled after thorough and proper cleaning.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14. Section 14: Transport information.

14.1 UN number.

UN1505

14.2 UN proper shipping name.

ADR: 1505 SODIUM PERSULPHATE, ENVIRONMENTALLY HAZARDOUS
IMDG: SODIUM PERSULPHATE, MARINE POLLUTANT
IATA: SODIUM PERSULPHATE

14.3 Transport hazard class(es).

Class: 5.1 Oxidising Substances
Classification Code: O2
Hazard label: 50
Transport category: 3
EMS No: F-A,S-Q
Tunnel: E
LQ: 5 kg



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14.4 Packing group.

III

14.5 Environmental hazards.

Classified as environmentally hazardous:

Marine pollutant

Special marking:

Fish and tree

14.6 Special precautions for user.

Warning: Oxidising substances

Stowage category:

A

Segregation code:

Stow "separated from" ammonium compounds other than

SG39 AMMONIUM PERSULPHATE (UN1444)

SG49 Stow "separated from" cyanides

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

Not applicable

Transport / Additional information.

ADR

Excepted quantities (EQ): E1

Limited quantities (LQ): 5kg

Excepted quantities (EQ) code: E1

Maximum net quantity per inner packaging: 30g

Maximum net quantity per outer packaging: 1000g

Transport category: 3

Tunnel restriction code: E

IMDG

Excepted quantities (EQ): E1

Limited quantities (LQ): 5kg

Maximum net quantity per inner packaging: 30g

Maximum net quantity per outer packaging: 1000g

UN "Model Regulation": 1505 SODIUM PERSULPHATE, ENVIRONMENTALLY HAZARDOUS

15. Section 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 not been carried out

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16. Section 16: Other information.

Relevant Phrases:

H272: May intensify fire; oxidiser

H302: Harmful if swallowed

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Cause serious eye irritation

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335: May cause respiratory irritation

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

Warning! Do not use together with other products. May release dangerous gases (chlorine).
Use biocides safely. Always read the label and product information before us.

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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