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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.

1.4	Emergency phone number:	01271 378 100 (office hours)
	Email:	swimmer@goldenc.com
	Web:	www.goldenc.com
	Responsible person:	Jamie Adams
	Phone number:	01271 378 100
		Devon. EX31 3UA
	Address of supplier:	Fishleigh Road, Roundswell Commercial Park West, Barnstaple,
	Name of supplier:	Golden Coast Ltd
1.3	1.3 Details of the supplier of the safety data sheet.	
	Uses:	Disinfectant and clarifier

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 LL	totomonts montioned in this section see S

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

Most important adverse effects

Human Health
Physical & Chemical Hazards:
Potential environmental effects

See section 11 for toxicological information See section 9 for physicochemical information See section 12 for environmental information

2.2 Label elements.

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:



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Signal word:	Danger
Hazard Statements:	H272: May intensify fire; oxidiser
	H315: Causes skin irritation
	H319: Causes serious eye irritation
	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	H317: May cause an allergic skin reaction
	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
	P261: Avoid breathing dust
	P273: Avoid release to the environment
	P280: Wear protective gloves/eye protection
	P305+351+338: IF IN EYES: Rinse cautiously with water for several
	minutes. Remove contact lenses, if present and easy
	to do. Continue rinsing
	P405: Store locked up
	P501: Dispose of contents/container in accordance with legislation

Additional information:

EUH031: Contact with acids liberates toxic gages EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine)

Hazard-determining components of labelling

Sodium dichloroisocyanurate, dihydrate Disodium peroxodisulphate

2.3 Other hazards.

Results of PBT and vPvB assesments PBT and vPvB:

Not applicable



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3. Section 3: Composition/information on ingredients.

3.2 Mixtures.

Mixture of substances listed below with non-hazardous additions.

Sodium dichloroisocyanurate Dihydrate				
Index No	CAS No	ENICS No	%	CLP Phrases
613-030-01-7	51580-86-0	220-767-7	25-50%	H400: H410: H302: H319:H335
Disodium peroxide sulphate				
	7775-27-1	231-890-1	2.5-10%	H272: H334: H302; H315:H319 H317: H335

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

4. 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
If inhaled:	Supply fresh air and to be sure call a doctor. In case of unconsciousness
	place patient stably in side positon for transportation.
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at
	least 15 minutes. Consult an eye specialist immediately.
If swallowed:	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 further relevant information
- **4.3** Indication of any immediate medical attention and special treatment needed. Treatment: Treat symptomatically



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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 sul	bstance 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 (HCI); 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	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/m³
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%

10. Section 10: Stability and reactivity.

10.1	Reactivity.	
	Reactivity	No further relevant information
10.2	Chemical stability.	
	Chemical stability	To avoid thermal decomposition do not overheat
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
10.4	Conditions to avoid.	
	Conditions to avoid	No further relevant information
10.5	Incompatible materials.	
	Incompatible materials	Warning! Do not use together with other products. May release dangerous gases.
10.6	Hazardous decomposition products.	
	Haz. Decomp. Products	Hydrogen chloride (HCI) : 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

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 (Zebrabärbling))	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. Bioaccumlative potential:	No further relevant information
12.4	Mobility in soil. Mobility in soil:	No further relevant information
12.5 12.6	Results of PBT and vPvB assessment. PBT and PvB: Other adverse effects.	Not applicable
12.0	other adverse encets.	Water hazard class 2 (German Regulation) (Self-assesment): 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:	02
	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:	А	
	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 (EQ): E1 Limited quantities (LQ): 5kg Maximum net quantity per inner packaging: 30g Maximum het 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 be 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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