

# Safety Data Sheet

## Legal Disclaimer

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

### 1.1 Product identifier.

Product name: Chlorine Granules  
Product code: 2086530010 – Essential Spa 1kg  
2086530025 – Swimmer 2kg  
2086530050 – Swimmer 5kg  
2086530250 – Swimmer 25kg  
2086000320 – Swimmer Splasher Pool Water Care Kit  
2086000225 – Essentials Spa Starter Pack

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

For disinfection of pool and spa 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  
Web : [www.goldenc.co](http://www.goldenc.co)  
Phone number: 01271 378100  
Responsible person: Jamie Adams  
Email: [swimmer@goldenc.com](mailto:swimmer@goldenc.com)

### 1.4 Emergency phone number: 01271 378100 (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 Category	Target Organs	Hazard Statements
Acute Tox. 4*			H302
Eye Irrit. 2			H319
STOT SE 3			H335
STOT SE 3			H400
Aquatic Acute 1			H410
Aquatic Chronic 1			

For the full text of the H statements mentioned in this 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 toxicological information

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## 2.2 Label elements.

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



Hazard symbols:

Signal word:

Hazard statements:

H302	Harmful if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH031	Contact with acid liberates toxic gas

Warning! Do not use together with other products. May release dangerous gases (chlorine)

Precautionary statements:

P102	Keep out of reach of children
P402	Store in a dry place
P260	Do not breathe dust
P405	Store locked up
P305&351&338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P273	Avoid release to the environment

### Hazardous components which must be listed on label

Sodium Dichloroisocyanurate Dihydrate

## 2.3 Other hazards.

No other information is available.

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

### 3.1 Substances.

Chemical nature:

Granules

Chemical Name:

Sodium Dichloroisocyanurate Dihydrate

CAS No	EC No	%	H & S
51580-86-0	220-767-7	100%	H302, H319, H335, H400, H410 R22, R31, R36/37, R50/53

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## 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. Remove contaminated clothing and loosen remaining clothing. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice. In severe cases pulmonary oedema can be delayed by up to 48 hours.

In case of skin contact:

Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin is damaged or if irritation persists seek medical attention.

In case of eye contact:

Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Get medical attention.

If swallowed:

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

### 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

Treat symptomatically

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

Suitable media:

Water spray or fog (large quantities available)

Unsuitable media:

No information available

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

Specific Hazards:

Oxidising agent. Not combustible, but will support combustion of other materials. Decomposes upon heating liberating chlorine and oxygen. Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire.

**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:

Collect contaminated fire extinguishing water separately.

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

Personal Precautions:

Use personal protective equipment. Provide adequate ventilation.  
For personal protection see section 8.

**6.2 Environmental precautions.**

Environmental precautions:

Do not flush into surface water or sanitary sewer system  
Avoid subsoil penetration  
If the product contaminates rivers and lakes or drains inform  
respective authorities. Local authorities should be advised if  
significant spillages cannot be contained.

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

Cleaning up

Sweep up, avoiding generation of dust, then immediately spread as a  
thin layer in an uncontaminated, dry open area, to avoid the  
possibility of hot spots forming. Gradually hose to drain ensuring  
large dilution. DO NOT store or transport swept up material. DO NOT  
return spilled material to original container. Do not add small amount  
of water to material. Where a spill has occurred in a confined space  
or an unventilated building and the material is damp and evolving  
chlorine, the rate of chlorine evolution can be reduced by covering  
the thinly spread solid with soda ash. For large spills notify  
Emergency Services.

**6.4 Reference to other sections.**

For personal protection see section

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

Advice on safe handling:

Strong oxidising agent. DO NOT MIX WITH OTHER CHEMICALS. Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment. Avoid contact with skin and eyes.

Hygiene measures:

Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately. Provide adequate ventilation.

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

Storage:

Keep this product in original, sealed container when not in use. Store in a cool, dry, well ventilated area.

Protection against fire:

Normal measures for preventive fire protection

Further information:

Keep away from children

Common Storage:

Keep away from food, drink and animal feeding stuffs. Keep away from combustible

**7.3 Specific end use(s).**

Specific use(s)

No information is available.

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

### 8.1 Control parameters.

EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical

Sodium Dichloroisocyanurate Dihydrate		
State	8 hour TWA	15 min STEL
UK	1.5mg/m <sup>3</sup>	2.9 mg/m <sup>3</sup>

### 8.2 Exposure controls.

#### Engineering measures

Fume cupboard required when vapours / aerosol are generated.  
Refer to protective measures listed in section 7 and 8.

#### Personal protective equipment

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device.  
Filter AB2P2. Filter AB2P3

In case of intensive or longer exposure use self-contained respiratory protective device.

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 appropriate clothing to prevent repeated or prolonged skin contact

#### Environmental exposure controls

Dispose of in accordance with all applicable local and national regulations.

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

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

Appearance:	Granules, Whitish
Odour:	Characteristic Chlorine
pH @ 20°C:	7.0 – 10% (aqueous solution)
Melting point:	Not applicable
Initial boiling point and boiling range:	Not applicable
Water solubility:	260 gm/litre @ 25°C
Partition coefficient: n-octanol/water:	No data available
Explosive properties:	Product is not explosive
Oxidising properties:	No data available

### 9.2 Other Information

No further information

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**10. Section 10: Stability and reactivity.****10.1 Reactivity.**

Reactivity

No information available

**10.2 Chemical stability.**

Chemical stability

No information available

**10.3 Possibility of hazardous reactions.**

Hazardous reactions

Gives off hydrogen by reaction with metals. Reacts exothermic with water.

**10.4 Conditions to avoid.**

Conditions to avoid

Damp or slightly wet conditions may slowly liberate hazardous gases (will gradually degenerate to Nitrogen Trichloride)

**10.5 Incompatible materials.**

Materials to avoid

Avoid contact with water on concentrated material in the container.  
Avoid contact with easily oxidisable material such as organic compounds, reducing agents, Nitrogen**10.6 Hazardous decomposition products.**

Haz. Decomp. Products:

Decomposes above 240°C forming chlorine, nitrogen, trichloride, nitrogen oxides, carbon dioxide, cyanates and carbon monoxides.



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## 11. Section 11: Toxicological information.

### 11.1 Information on toxicological effects.

#### Toxicity Values

Route	Species	Test	Value	Units
Oral	Rat	LD50	>1,400	Mg/kg
Oral	Human	LD50	3,570	Mg/kg

(lowest lethal dose)

#### Ingestion:

Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, ulceration of the stomach, lachrymation, difficulty in breathing, loss of consciousness, coma and possible death.

#### Inhalation:

Inhalation of the dust will result in respiratory irritation. Decomposes when wet to evolve chlorine gas. Inhalation of chlorine will result in severe respiratory irritation. Delayed effects can include shortness of breath, severe headache, pulmonary oedema and pneumonia.

#### Skin:

Contact with skin will result in mild irritation. Repeat or prolonged skin contact may lead to allergic contact dermatitis.

#### Eyes:

A severe eye irritant. Contamination of the eyes can result in permanent injury. Corrosive to eyes; contact can cause corneal burns.

#### Sensitisation:

No further information available

#### Further information:

No further 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. Special disposal is required according
Contaminated packaging:	Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product.
Waste Catalogue No:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste diposer.

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## 14. Section 14: Transport information.

### 14.1 UN number.

3077

### 14.2 UN proper shipping name.

3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID N.O.S. (SODIUM DICHLOROISOCYANURATE DIHYDRATE)

### 14.3 Transport hazard class(es).

Class	9
Classification Code	M7
Hazard Label	90
Transport Category	3
Tunnel Code	E

### 14.4 Packing group.

III

### 14.5 Environmental hazards.

Environmentally Hazardous	Yes
Marine Pollutant	Yes

### 14.6 Special precautions for user.

Not applicable

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

N/A

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**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.**

Currently we do not have any information from our supplier about this.

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

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

H302 Harmful if swallowed

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

EUH031 Contact with acids liberates toxic gas

Further information

S1/2 Keep locked up and out of reach of children

S8 Keep container dry

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S41 In case of fire and/or explosion do not breath fumes

S60 This material and/or its container must be disposed of as hazardous waste

S61 Avoid release to the environment. Refer to special instructions / Safety Data Sheet

Restricted to professional users. Attention – Avoid exposure – obtain special instructions before use.

**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.co/resources/data-sheets](http://www.goldenc.co/resources/data-sheets)