

# 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: Swimmer Rapid Shock Calcium Hypochlorite Granules  
Product code: 2086533020 Swimmer Rapid Shock 2kg  
2086533050 Swimmer Rapid Shock 5kg

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

Disinfection of Swimming 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  
Web : [www.goldenc.com](http://www.goldenc.com)  
Phone number: 01271 378 100  
Responsible person: Jamie Adams  
Email: [swimmer@goldenc.com](mailto:swimmer@goldenc.com)

**1.4 Emergency phone number: 01271 378 100 (office hours)**

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## 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. 2      | H272              |
| Acute Tox. 4 *  | H302              |
| Skin Corr. 1B   | H314              |
| Aquatic Acute 1 | H400              |

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:

Signal word:

Hazard Statements:

Danger

H272: May intensify fire; oxidiser

H314: Causes severe skin burns and eye damage

H400: Very toxic to aquatic life

H302: Harmful if swallowed

EUH031: Contact with acids liberates toxic gas

EUH2026: Warning! Do not use together with products. May release dangerous gases (chlorine)

Precautionary statements:

P102: Keep out of reach of children

P305 + 351 + 338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P280: Wear protective gloves / protective clothing / eye protection/face protection

P309 + P310 IF exposed or If you feel unwell : Call a POISON CENTER or doctor/physician

P405: Store locked up

P501: Dispose of contents/container in accordance with national regulations

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**Hazardous components which must be listed on the label****Calcium Hypochlorite****2.3 Other hazards.**

Use biocides safely. Always read the label and product information before use.

**3. Section 3: Composition/information on ingredients.****3.2 Mixtures.****Calcium Hypochlorite**

| Chemical Name        | %         | CAS No    | ENICS No  | R/H Phrases            |
|----------------------|-----------|-----------|-----------|------------------------|
| Calcium Hypochlorite | 70 – 100% | 7778-54-3 | 231-908-7 | H272, H302, H314, H400 |

**4. Section 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 so. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- Get medical advice / attention

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

- Symptoms and effects
- Can cause damage to the eyes and skin
  - Prolonged skin or eye contact may cause chemical burns
  - In cases of severe exposure, breathing difficulty may develop

**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.**

In case of fire: use carbon dioxide for extinction

DO NOT USE dry extinguishers containing ammonium compounds such as dry powder

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

Calcium Hypochlorite is both a strong oxidiser and is chemically reactive with many substances. Strong oxidisers are capable of intensifying a fire once started; because of this any contamination of the product with other substances by spill or otherwise should be avoided.

- Gives off irritating or toxic fumes (or gases) in a fire.
- Exposure to decomposition products may be a hazard to health
- See Section 10.6

**5.3 Advice for firefighters.**

- Wear protective clothing as per section 8
- Wear self-contained breather apparatus (SCBA). Wear full protective clothing including chemical protection suit
- In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.

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**6. Section 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 raising dust
- Avoid contact with combustible material

**6.2 Environmental precautions.**

- Avoid release to the environment. Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

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

- Place in appropriate container
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Do not absorb spillage in sawdust or other combustible material
- Ventilate the area and wash spill site after material pick-up is complete

**6.4 Reference to other sections.**

See Section 1 for emergency contact information

See Section 7 & 8 for information on Personal protective equipment

See Section 13 for waste treatment information

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

- Do not mix with any other products
- Ensure adequate ventilation
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray
- Do not eat, drink or smoke when using this product
- Wash thoroughly after handling

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

- Store away from other materials
- Keep only in original container
- Store in a dry place and protect from moisture
- Store in a well-ventilated place. Keep cool.
- Do not store above 35 °C
- Keep away from foodstuff
- Keep away from acid and reducing agents

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

- No information available

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

Calcium hypochlorite

- WEL (short term) 2 mg/m<sup>3</sup>

**8.2 Exposure controls.**

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines

**Personal protective equipment**

- In case of inadequate ventilation wear respiratory protection

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

- Wear safety glasses approved to standard EN 166

- Wear apron or other light protective clothing

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

Appearance: white, granules

Odour: chlorine

pH 12 at 1% concentration

Boiling point: not known

Vapour pressure: not applicable

Vapour density: not applicable

Melting point 180°C with decomposition

Water solubility 217 g/l at 27°C

Specific gravity: not known

Flash point: not known

Strong oxidising agent

Partition coefficient:n-Octanol/water: not known

Evaporation rate: not known

Viscosity: not applicable

**9.2 Other Information**

- No information available

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

Strong oxidising agent

Use with other products may release Chlorine

**10.2 Chemical stability.**

Decomposes above 180°C

**10.3 Possibility of hazardous reactions.**

Contact with acids liberates toxic gas

Exothermic reaction on heating

**10.4 Conditions to avoid.**

Keep away from heat and moisture

Prevent ingress of humidity and moisture into container or package. Always close the lid after use

Avoid contact with combustible material

Avoid contact with foodstuffs

**10.5 Incompatible materials.**

Reacts with acids to produce free chlorine

Incompatible with reducing agents

Incompatible with metals

Incompatible with strong oxidizing substances

Ammonia

**10.6 Hazardous decomposition products.**

Decomposition products may include acidic and toxic gases

Decomposition products may include oxygen

Decomposition products may include chlorine

Decomposition products may include carbonoxides

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**11. Section 11: Toxicological information.****11.1 Information on toxicological effects.**

- LD50 (oral, rat) 790 mg/kg

- Prolonged skin or eye contact may cause chemical burns

Inhalation

May cause respiratory tract irritation.

Causes delayed pulmonary oedema

Contact with skin

Causes blistering of the skin

Causes redness and irritation

Contact with eyes

Can cause damage to the mucous membranes

Causes redness and swelling

Causes burning sensation

Can cause damage to the eyes

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**Ingestion**

The ingestion of significant quantities may cause burning sensation

The ingestion of significant quantities may cause damage to the digestive system

Carcinogenicity – No evidence of carcinogenic effects

Teratogenicity – No information available

Mutagenicity – No information available

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

- Very toxic to aquatic life
- LC50 (bluegillsunfish) 0.088mg/l (96hr)
- LC50 (rainbowtrout) 0.16mg/l (96hr)
- EC50 (Daphniamagna) 0.116mg/l (48hr)

**12.2 Persistence and degradability.**

Persistence and degradability

No information available

**12.3 Bioaccumulation potential.**

Partition coefficient:

No information available

**12.4 Mobility in soil.**

Mobility

This substance is poorly absorbed onto soils or sediments  
Large volumes may penetrate soil and contaminate groundwater

**12.5 Results of PBT and vPvB assessment.**

PBT identification

No a PBT according to REACH Annex XIII

**12.6 Other adverse effects.**

Other adverse effects:

Do not allow product to reach ground water, water course or sewage system  
Must not reach sewage water or drainage ditch undiluted or unneutralized  
Danger to drinking water if even extremely small quantities leak into the ground  
May cause long term adverse effects in the aquatic environment



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

- Disposal should be in accordance with local, state or national legislation
- Avoid release to the environment
- Do not allow to enter public sewers and water courses
- This material and /or its container must be disposed of as hazardous waste
- Do not reuse empty containers without commercial cleaning or reconditioning

**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.



Oxidising agent



Corrosive



Marine Pollutant

### 14.1 UN number.

UN3487

### 14.2 UN proper shipping name.

CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE

### 14.3 Transport hazard class(es).

5.1 & 8

### 14.4 Packaging group.

II

### 14.5 Environmental hazards.

Marine Pollutant

### 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: | CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE |
| ADR UN No:            | 3487                                      |
| ADR Hazard Class:     | 5.1 (8) ADR Packing Group: II             |
| Tunnel Code:          | E   |

##### Sea (IMDG)

|                       |   |
|-----------------------|---|
| Proper Shipping Name: | CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE |
| IMDG UN No:           | 3487                                      |
| IMDG Hazard Class:    | 5.1 (8) IMDG Packing Group II             |

##### Air (ICAO/IATA)

|                       |   |
|-----------------------|---|
| Proper Shipping Name: | CALCIUM HYPOCHLORITE, HYDRATED, CORROSIVE |
| ICAO UN No:           | 3487                                      |
| ICAO Hazard Class:    | 5.1 (9) ICAO Packing Group II             |

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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.**

No data available

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

Full text of H-Statements referred to under sections 2 and 3

|       |   |
|-------|---|
| H272  | May intensify fire; oxidiser            |
| H302: | Harmful if swallowed                    |
| H314  | Causes severe skin burns and eye damage |
| H400  | Very toxic to aquatic life              |

**Note:**

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 use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

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.

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