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**1. Section 1: Identification of the substance/mixture and the company/undertaking.****1.1 Product identifier.**

Product name: Swimmer Floc Granules 2kg  
Product code: 20 86 582 025

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

Coagulant for water treatment

**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  
Web address: www.goldenc.com  
Responsible person: Jamie Adams  
Email: 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
Met.Corr.1	H290
Eye.Dam.1	H318

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

**Most important adverse effects:**

Human Health: See section 11 for toxicological information  
Physical and 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: Danger  
Hazard Statements: H290 May be corrosive to metals  
H318 Causes serious eye damage

Precautionary statements: P102 Keep out of reach of children

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P280:	Wear protective gloves/protective clothing/eye protection/ face protection
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses present and easy to do. Continue rinsing.
P310:	Immediately call a POISON CENTER or doctor / physician
P501:	Dispose of contents/container in accordance with national regulations

## Hazardous components which must be listed on the label

Aluminium Sulphate

### 2.3 Other hazards.

No other information is available

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

### 3.1 Substances.

Chemical nature: Granules

Chemical Name:	EC No:	CAS No:	%	Hazards:
Aluminium Sulphate	233-135-0	10043-01-3	17	Met.Corr:1 ;H290, Eye.Dam;1; H318

This product has workplace exposure limits

## 4. Section 4: First aid measures.

### 4.1 Description of first aid measures.

General Advice: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. No hazards which require special first aid measures.

If inhaled: If dust from the material is inhaled, remove the affected person immediately to fresh air. Get medical attention if required.

In case of skin contact: Wash off immediately with plenty of soap & water. If irritation appears seek medical advice.

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Call a physician or Poison Control Centre immediately.

If swallowed: If ingestion of a large amount does occur, seek medical attention. Rinse mouth with water.

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

Symptoms and effects: No further information available.

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

Treatment: In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation symptoms may be delayed.

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## 5. Section 5: Firefighting measures.

### 5.1 Extinguishing media.

Suitable media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable media: High volume water jet

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

Specific Hazards: Incomplete combustion may form toxic pyrolysis products

### 5.3 Advice for firefighters.

Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Further information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## 6. Section 6: Accidental release measures.

### 6.1 Personal precautions, protective equipment and emergency procedures.

Personal Precautions: Use appropriate personal protective equipment as detailed in section 8.  
Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Stay upwind. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.

### 6.2 Environmental precautions.

Environmental precautions: No special environmental precautions required.

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

Cleaning up: Should not be released into the environment. Prevent entry into waterways, sewers, basements or confined areas.  
If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid the generation of dusts during clean up.  
After removal flush contaminated area thoroughly with water. This material and its container must be disposed of as hazardous waste.

### 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

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## 7. Section 7: Handling and storage.

### 7.1 Precautions for safe handling.

**Advice on safe handling:** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin and eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Do not mix with other products in their concentrated form.

**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. Avoid contact with the skin and eyes.

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

**Storage Areas:** Prevent any seepage into the ground

**Fire and explosion:** No special measures required

**Further information:** Store in cool, dry conditions in well-sealed receptacles

**Common Storage:** Keep away from food, drink and animal feedstuffs.

**Storage Temperature:** No information available

### 7.3 Specific end use(s).

**Specific use(s)** Coagulant for water treatment

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

### 8.1 Control parameters.

Material		Type	Value	Form
Aluminium Sulphate	10043-01-3	TWA	2 mg/m <sup>3</sup>	Soluble aluminium salts

### 8.2 Exposure controls.

**Engineering measures** Refer to protective measures listed in sections 7 and 8

Aluminium sulphate (10043-01-3)

DNEL	Type	Route	Value	Form
	Consumer	Oral	0.3	mg/kgbw/day as Al
		Oral	3.7	mg/kgbw/day as substance
		Oral	5.7	mg/kgbw/day as substance
		Oral	0.5	mg/kgbw/day as Al

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**Personal protective equipment**

Ventilation:	Ventilation should be sufficient to effectively remove and prevent build-up of any dusts or fumes that may be generated during handling or thermal processing. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment
Hand protection:	Wear protective gloves. The selected gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374
Eye protection:	Tightly fitting safety goggles. (EN166) Emergency eyewash stations must be available
Skin and body protection:	Protective work clothing
Hygiene measures:	Do not breathe dust. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practises.

**Environmental exposure controls**

General advice:	Do not flush into surface water or sanitary sewer systems.
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**9. Section 9: Physical and chemical properties.****9.1 Information on basic physical and chemical properties.**

Form:	Solid
Physical state:	Powder or granules
Colour:	White
Odour:	Insignificant
pH @ 20°C:	N/A
Melting point:	120 - 140°C (248 - 284°F)
Boiling point:	770°C (1,418°F) Decomposes
Flash point:	N/A
Density @ 20°C	1.61g/cm <sup>3</sup>
Water solubility:	Fully miscible

**9.2 Other Information**

Specific gravity	1.609960996 estimated
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## 10. Section 10: Stability and reactivity.

### 10.1 Reactivity.

Reactivity Avoid contact with chlorite/hypochlorite/sulphate/oxidising agents and cyanides

### 10.2 Chemical stability.

Chemical stability No decomposition if stored and applied as directed

### 10.3 Possibility of hazardous reactions.

Hazardous reactions: Hazardous polymerisation does not occur

### 10.4 Conditions to avoid.

Conditions to avoid Water

### 10.5 Incompatible materials.

Materials to avoid Alkalis

### 10.6 Hazardous decomposition products.

Haz.Decomp.products: Sulphur Oxides Heating may cause toxic fumes

## 11. Section 11: Toxicological information.

### 11.1 Information on toxicological effects.

**Acute toxicity** Not classified

#### Product

Aluminium Sulphate 17% (solid)

#### Test results

Acute Dermal LD50 rat: 2,000 mg/kg estimated

Acute Oral LD50 Rat: 2,000 mg/kg estimated

#### Components

Aluminium sulphate (10043-01-3)

#### Test results

Acute Dermal LD50 Rat: > = 5,000 mg/kg

Acute Dermal LD50 Rat: > = 2,000 mg/kg

Acute Oral LD50 Rat: > = 5,000 mg/kg

Acute Oral LD50 Rat: > = 2,000mg/kg

\* Estimates for product may be based on additional component data not shown

Skin corrosion/ irritation

Not classified

Serious eye damage/eye irritation

Causes serious eye damage. Dust in the eyes will cause irritation

Respiratory sensitisation

Not classified

Skin sensitisation

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity – single exposure

Not classified

Specific target organ toxicity – repeated exposure

Not classified

Aspiration hazard

Not classified

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Mixture versus substance information	None known
Other information	None known

**Information on likely routes of exposure**

Ingestion	Not applicable
Inhalation	Inhalation of dusts may cause respiratory irritation
Skin contact	Irritating to skin
Eye contact	Irritating to eyes
Sensitisation	No sensitizing effect known

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

Aluminium sulphate (10043-01-3)

**Test results**

LC50 Danio (Danio): &gt; = 1,000 mg/l 96.00 hours

NOEC Danio (Danio): &gt; = 1,000 mg/l 96.00 hours

EC50 Daphnia: &gt; = 160 mg/l 48.00 hours immobilisation

NOEC Daphnia: &gt; 160 mg/l 48.00 hours

\* Estimates for product may be based on additional component data not shown

**12.2 Persistence and degradability.**

Persistence and degradability: Product solely consists of inorganic compounds which are not biodegradable

**12.3 Bioaccumulation potential.**

Bioaccumulative potential Not assigned

**12.4 Mobility in soil.**

Mobility in soil Not assigned

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

PBT and PvB Not assigned

**12.6 Other adverse effects.**

Do not flush into surface water or sanitary sewer systems

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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
- Do not reuse empty containers without commercial cleaning or reconditioning
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

**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.**

This product is not classified as hazardous for transport purposes

**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.**

Not applicable

**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.**

Not applicable

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**15. Section 15: Regulatory information.****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.****15.2 Chemical safety assessment.**

No information available

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

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

H290	May be corrosive to metals
H318	Causes serious eye damage

Full text of P-statements referred to under sections 2 and 3

P280	Wear eye/face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
P501	Dispose of contents/container in accordance with national regulations

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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.

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