

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 Floc Tablets – 10 Tablets
Product code: 20 86 583 005

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

Uses: Coagulant for water treatment
Restrictions: None know

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
Email: swimmer@goldenc.com
Web address: www.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 Category	Hazard Statements
Serious eye damage/eye irritation	Category 1	H318

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 physiochemical 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:

H318: Causes serious eye damage

Precautionary statements:

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.

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P310: Immediately call a POISON CENTER or doctor/physician.

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	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 and water. If irritation appears seek medical advice.

In case of eye contact: Rinse immediately with plenty of water, also under the 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: No further information available.

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 during fire: Incomplete combustion may form toxic pyrolysis products.

5.3 Advice for firefighters.

Special 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.

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.

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 up 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 skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities.

Storage areas and containers: Prevent any seepage into the ground.

Protection against fire: 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 further 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 ³	Soluble aluminium salts.

8.2 Exposure controls.

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

DNEL Components	Type	Route	Value	Form
Aluminium sulphate (10043-01-3)	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 advice:

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 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. (PVC or plastic).
- Wear safety glasses approved to standard EN 166.
- Wear apron or other light protective clothing.

Hygiene measures:

Advice:

Do not breathe dust. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls

General advice:

Do not flush into surface water or sanitary sewer systems.

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:	1.61 g/cm ³
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.**

Advice: Avoid contact with chlorite/hypochlorite/sulphite/oxidising agents and cyanides.

10.2 Chemical stability.

Advice: 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.

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 know.

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: $\geq 5,000$ mg/kg
Acute Dermal LD50 Rat: $\geq 2,000$ mg/kg
Acute Oral LD50 Rat: $\geq 5,000$ mg/kg
Acute Oral LD50 Rat: $\geq 2,000$ mg/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.

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Skin sensitisation:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific target organotoxicity – single exposure:	Not classified.
Specific target organotoxicity -repeated exposure:	Not classified.
Aspiration hazard:	Not classified.
Mixture versus substance information:	None known.
Other information:	None known.

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

Aluminium sulphate (10043-01-3)

Test results

LC50 Danio (Danio): $\geq 1,000$ mg/l 96.00 hours
NOEC Danio (Danio): $\geq 1,000$ mg/l 96.00 hours
EC50 Daphnia: ≥ 160 mg/l 48.00 hours immobilisation.
NOEC Daphnia: ≥ 160 mg/l 48.00 hours.

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

12.2 Persistence and degradability.

Product solely consists of inorganic compounds which are not biodegradable.

12.3 Bioaccumulation potential.

Not assigned.

12.4 Mobility in soil.

Not assigned.

12.5 Results of PBT and vPvB assessment.

Not assigned.

12.6 Other adverse effects.

Do not flush into surface water or sanitary sewer system

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

Residual waste:	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated packaging:	Empty contaminated packaging's thoroughly. They can be recycled after thorough and proper cleaning. Packaging's that cannot be cleaned are to be disposed of in the same manner as the product.
EU waste code:	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.
Product:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not dispose of waste into sewer. Dispose of contents/container in accordance with regulations.

14. Section 14: Transport information.**14.1 UN number.**

No classified for transportation.

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

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

16. Section 16: Other information.

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

H315: May cause skin irritation

H318: Causes serious eye damage

H335: May cause respiratory irritation

Safety Data Sheet

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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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