

Legal Disclaimer

The information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication. Nothing herein is to be construed as a warranty, express or implied. In all cases it is the responsibility of the users to determine the applicability of such information or the suitability of any products for their own particular purpose.

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

Product name: Swimmer Copper Free Wintertime 5L
Product code: 20 86 587 052

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

Uses: Treatment of algae

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)**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
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Acute Environ	H400
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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: Warning

Hazard statements: H400 Very toxic to aquatic life

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Precautionary statements: P402+404	Store in a dry place. Store in a closed container
P305+351+338	IF IN EYES: Rinse continuously with water for several minutes. remove contact lenses if present and easy to do- continue rinsing.
P301+P314	IF SWALLOWED: Get medical attention if you feel unwell
P501	Dispose of contents/ container to hazardous waste

Hazardous components which must be listed on the label

N-dimethyl-2-hydroxyammonium chloride (polymer)

2.3 Other hazards.

No other information is available.

3. Section 3: Composition/information on ingredients.**3.2 Mixture.**

Chemical nature: Liquid

A mixture of the chemicals listed below with non-hazardous additions.

Chemical Name	CAS No	EC No	H & R Phrases
Polyquaternaryammonium compound	25988-97-	270-325-2	H400

4. Section 4: First aid measures.**4.1 Description of first aid measures.**

General Advice:	Symptoms of poisoning may occur even after several hours; therefore medical observation is required for at least 48 hours after the accident.
If inhaled:	Provide fresh air, warmth and rest, preferably in a comfortable sitting position. Get professional medical attention if any discomfort continues.
In case of skin contact:	Generally the product does not irritate the skin.
In case of eye contact:	Rinse the eye immediately with water. Continue to rinse for at least 15 minutes.
If swallowed:	Clean mouth with water and drink plenty of water. If swallowed, do not induce vomiting – seek medical advice if discomfort continues.

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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 Treat symptomatically.

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

Suitable media: CO₂, powder or water spray. Fight larger fires with water spray

5.2 Special hazards arising from the substance or mixture.

Specific Hazards: No information available

5.3 Advice for firefighters.

Protective equipment: In the event of fire, wear self-contained breathing apparatus.
Wear appropriate body protection (full protective suit)

Further information: Collect contaminated firefighting water separately.
Contaminated firefighting water must not enter the sewage system.

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

Personal Precautions: Use personal protective equipment. Keep people away from and upwind of spill. Provide adequate ventilation. Avoid contact with skin and eyes. Keep away from ignition source.

6.2 Environmental precautions.

Environmental precautions: Do not flush allow to enter into surface water or sanitary sewer system. Prevent from spreading (e.g. by damming-in or oil barriers).

6.3 Methods and material for containment and cleaning up.

Methods and materials: Absorb with liquid binding material (sand, acid/universal binders, sawdust).

Further information: Dispose of contaminated material as waste according to item 13

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.

Safe handling:

Use personal protective equipment. Avoid contact with skin and eyes.
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:

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:

Store away from Oxidising substances.

Storage Temperature:

Keep away from heat and direct sunlight

7.3 Specific end use(s).

For treatment of algae.

8. Section 8: Exposure controls/personal protection.

8.1 Control parameters.

No exposure limit established

8.2 Exposure controls.

Refer to protective measures listed in sections 7 and 8

Personal protective equipment

Ventilation:

No special ventilation requirements are normally necessary for this product. However, make sure that the work environment remains clean and that dusts are minimised.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment.

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:

Tightly fitting safety goggles (EN166). Emergency eyewash stations must be available.

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Skin and body protection: Protective work clothing.

Environmental exposure controls Do not flush in surface water or sanitary sewer systems.

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

Form:	Fluid
Colour:	Colourless
Odour:	Mild
PH @ 20°C	5-7
Melting point:	Undetermined
Boiling point:	100°C
Flash point:	Not applicable
Density @ 20°C	1.052 g/cm ³
Water solubility:	Fully miscible
Ignition temperature:	>250°C
Explosive properties:	Product does not present an explosion hazard

9.2 Other Information

No further information available.

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 None known

10.4 Conditions to avoid.

Conditions to avoid No decomposition if used according to specifications

10.5 Incompatible materials.

Materials to avoid Oxidising agents

10.6 Hazardous decomposition products.

Haz. Decomp. products: Nitrogen Oxides

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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	>5,000	mg/kg

Primary Irritant effect:

On the skin: No irritant effect
 On the eyes: No irritant effect

Sensitization:

No sensitizing effects known

Carcinogenic:

There is no evidence that this substance has any carcinogenic properties.

Mutagenic:

There is no evidence that this substance is mutagenic

Additional toxicological information:

Other relevant toxicity: Avoid repeated exposure

12. Section 12: Ecological information.

12.1 Toxicity.

Toxicity Water hazard class 2 (German Regulation (Self-assessment): hazardous for water.

12.2 Persistence and degradability.

Persistence and degradability No information available

12.3 Bioaccumulation potential.

Bioaccumulative potential Bioaccumulation is not expected

12.4 Mobility in soil.

Mobility in soil Expected to absorb on soil

12.5 Results of PBT and vPvB assessment.

PBT and PvB No information available

12.6 Other adverse effects.

Further information Danger to drinking water if even small quantities leak into the ground.
 Do not allow product to reach ground water, water bodies or sewage systems even in small quantities.

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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.

14. Section 14: Transport information.

14.1 UN number.

3082

14.2 UN proper shipping name.

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
(Polyquaternary ammonium compound)

14.3 Transport hazard class(es).

Class	9
Classification Code	M6
Hazard label	9
Transport Category	3
Excepted Quantities	E1
Limited Quantities	5 Litres



14.4 Packing group.

III

14.5 Environmental hazards.

Classified as environmentally hazardous Yes

14.6 Special precautions for user.

Note: Not applicable

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

IMDG: 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.

This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

15.2 Chemical safety assessment.

No further information

16. Section 16: Other information.

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

H400 Very toxic to aquatic life

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.

Further information

Restricted for 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.com/resources/data-sheets