

Legal Disclaimer

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1. Identification of the Substance/Mixture and the Company Undertaking

1.1 Product Identifier

Product Name: Bayroplus Spa
 Product Code: 2010552011 (1 litre)

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Uses: Algicide for treatment of 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
 Telephone: 01271 378100.
 Responsible Person: Jamie Adams
 Email: swimmer@goldenc.com

1.4 Emergency Telephone Number: 01271 378100 (office hours)

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC):

Irritant R36 Irritating to the eyes
 Dangerous for the environment R51/53 Toxic to aquatic organisms, may cause long-term effects in the aquatic environment

2.2 Label Elements:

Labelling according to EU Directives (1999/45/EC)

Hazard Pictograms:



Dangerous for the environment

R-phrases

R50/53 Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment

S-phrases

S2 Keep out the reach of children
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 S28 After contact with skin, wash immediately with plenty of water

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S29/56	Do not empty into drains, dispose of this material and its container to hazardous waste collection point
S37/39	Wear suitable gloves and eye/face protection

2.3 Other hazards

Do not handle until all safety precautions have been read and understood

3. Composition/Information on Ingredients

3.1 Mixtures

Chemical Name:	2-propen-1-aminium N,N-dimethyl-N-2-propenyl-,chloride, homopolymer
Concentration:	22.5%
CAS Number:	26062-79-3
EC Number:	
R/H Phrases:	R52/53; Aquatic Chronic 3 H412
Symbols:	

Chemical Name:	methanamine, N-methyl-polymer with (chloromethyl) oxirane
Concentration:	<10%
CAS Number:	25988-97-0
EC Number:	
R/H Phrases:	R22 R50/5; Acute tox 4; H302 Aquatic Acute 1; H400; Aquatic chronic 1 H410
Symbols:	Xn; N

For the full text of the R-phrases mentioned in this Section, see Section 16

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

4. First Aid Measures

4.1 Description of First Aid Measures

General Information: No hazards which require special first aid measures

If Inhaled: Move to fresh air in case of accident inhalation of dust or fumes from overheating or combustion
If symptoms persist, call a doctor

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If on Skin:	Take off all contaminated clothing and shoes immediately Wash off immediately with plenty of water
If in Eyes:	Flush eyes with water as a precaution Remove contact lenses Protect unharmed eye Keep eye wide open while rinsing
If swallowed:	Clean mouth with water and drink afterwards plenty of water Do not give milk or alcoholic beverages Never give anything by mouth to an unconscious person Obtain medical attention

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available

4.3 Indication of any immediate medical attention and special treatment needed

Treatments: For specialist advice doctors should contact the Poisons Information Centre

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding area
Water, Foam, sand, Carbon Dioxide (CO₂), Dry Chemical

5.2 Special Hazards Arising from the Substance or Mixture

Specific Hazards During Fire Fighting: Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for Fire Fighters

Special Protective Equipment: In the event of fire, wear self-contained breathing apparatus

Additional Information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must not be disposed of in accordance with local regulations.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

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Personal Precautions: Ensure adequate ventilation

6.2 Environmental Precautions

Environmental Precautions: Do not flush into surface water or sanitary sewer system
 Prevent further leakage or spillage if safe to do so
 If the product contaminates rivers and lakes or drains inform respective authorities

6.3 Methods and Materials for Containment and Cleaning Up

Methods for cleaning up: Wipe up with absorbent material (e.g. cloth, fleece)
 Keep in suitable, closed containers for disposal

6.4 Reference to other Sections

Refer to protective measures listed in Sections 7 and 8

7. Handling and Storage

7.1 Precautions for Safe Handling

Advice on Safe Handling: For personnel protection see section 8
 Dispose of rinse water in accordance with local and national regulations

Advice on Protection against

Fire and explosion: Normal measures for preventive fire protection

7.2 Conditions for Safe Storage, including any Incompatibilities:

Requirements for Storage Areas Keep container tightly closed in a dry and well-ventilated place.
 and Containers Containers which are opened must be carefully resealed and kept upright to prevent leakage

Other Data: No decomposition if stored and applied as directed

7.3 Specific use(s)

Specific Use: Algicide for treatment of pool water

8. Exposure Controls/Personal Protection

8.1 Control Parameters:

Contains no substances with occupational exposure limit values

8.2 Exposure Controls

Engineering Measures

Ensure eyewash stations and safety showers are close to workstation location

Personal Protective Equipment

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Respiratory Protection:	No personal respiratory protective equipment normally required
Hand Protection:	Polyvinyl alcohol or nitrile-butyl-rubber gloves The selected protective gloves have to satisfy the specifications of the EU Directive 89/686/EEC and the standard EN374 derived from it. Before removing gloves clean them with soap and water
Eye Protection:	Eye wash bottle with pure water Tightly fitting safety goggles
Skin and Body Protection:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the workplace
Hygiene Measures:	Handle in accordance with good industrial hygiene safety practice Wash hands before breaks and at the end of workday
Environmental Exposure Controls	
General Advice:	Do not flush into surface water or sanitary sewer system Prevent further leakage or spillage if safe to do so If the product contaminates rivers and lakes or drains inform respective authorities

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Form:	Liquid
Colour:	Blue
Odour:	Characteristic
pH @20°C:	ca. 7 at 10.00g/l
Density:	1.07g/cm ³
Water Solubility:	in all proportions

9.2 Other Information

Oxidising potential:	Note: No information available
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10. Stability and Reactivity

10.1 Reactivity

Remark Stable under recommended storage conditions

10.2 Chemical Stability

Remark: No decomposition if stored and applied as directed

10.3 Possibility of Hazardous Reactions

Hazardous reactions Note: No hazards to be specially mentioned

10.4 Conditions to Avoid

Conditions to Avoid no data available

10.5 Incompatible Materials

Materials to Avoid Strong oxidising agents

10.6 Hazardous Decomposition Products

Hazardous decomposition Products: Carbon Oxides
Hydrogen halides
Nitrogen oxides (NOx)

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity: Not classified due to lack of data

Methanimine, N-methyl-polymer
With (Chloromethyl)oxirane LD50: 1003-1247mg/kg Rat
remarks: Information given is based on data obtained from similar substances

Acute inhalation toxicity: Not classified due to lack of data

Acute dermal toxicity: Not classified due to lack of data

Contact with Skin: Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant

Contact with Eyes: Classification: Irritating to eyes

Eye irritation
Aluminium Sulphate-14- hydrate Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant

hydrate
Sensitization: Non-sensitizing

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Aspiration toxicity: No aspiration toxicity classification

12. Ecological Information

12.1 Toxicity

Toxicity to fish: No data available

Toxicity to fish Methanamine, N-methyl-, polymer with (chloromethyl)oxirane
 LC50: 0.077 mg/l
 Exposure time: 96 h

Toxicity to daphnia and other: Species: *Oncorhynchus mykiss* (rainbow trout)
 Remarks: aquatic invertebrates. No data is available on the product itself.

Methanamine, N-methyl-, polymer with (chloromethyl)oxirane 10

12.2 Persistence and Degradability

Biodegradability: No data available

12.3 Bioaccumulation Potential

Bioaccumulation: No data available

12.4 Mobility in Soil

Mobility: No data available

12.5 Results of PBT and vPvB Assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

12.6 Other Adverse Effects

Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal
 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

13. Disposal Considerations

13.1 Waste Treatment methods

Product: The product should not be allowed to enter drains, water courses or the soil
 Do not contaminated ponds, waterways or ditches with chemical or used container.
 Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated Packaging: Empty remaining contents
 Dispose of as unused product
 Do not re-use empty containers

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14. Transport Information

Road/Rail

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S. (Poly(2-hydroxypropyl dimethylammonium chloride))
ADR UN Number:	3082
ADR Hazard Class:	9
ADR Packing Group:	III
Classification Code:	M6
Hazard Identification No:	90
Labels:	9
Tunnel Restriction code:	(E)
Environmentally Hazardous:	Yes

Sea (IMDG)

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S. (Poly(2-hydroxypropyl dimethylammonium chloride))
IMDG UN Number:	3082
IMDG Hazard Class:	9
IMDG Pack Group:	III
Labels	9
IMDG EmS No:	F-A, S-F
Marine Pollutant	Yes (Poly(2-hydroxypropyl dimethylammonium chloride))

Air (ICAO/IATA)

Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s. (Pentapostassium-bis (peroxymonosulphate)-bis(sulphate))
ICAO UN Number:	3082
ICAO Hazard Class:	9
ICAO Packing Group:	III
ICAO Labels:	9
Environmentally Hazardous:	Yes
Packing Instruction (passenger)	Y911

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Candidate List of Substances of This product does not contain substances of very high concern (Regulation (EC) No 1907/2006

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Very High Concern for Authorisation: (REACH), Article 57).

Major Accident Hazard Legislation: : 96/82/EC Update: 2003
Dangerous for the environment
9a
Quantity 1: 100t
Quantity 2: 200t

Water contaminating class (Germany): WGK 2 water endangering

15.2 Chemical Safety Assessment

No information available

16. Other Information

Sources of key data used

Results of own researches and examinations

Literature informations

Toxicity studies, NIOSH – Tox-Data

National legislation and regulation

Wording of the R-phrases specified in section 3

R22	Harmful if swallowed
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Wording of the H-statements specified in section 2 and 3

H302	Harmful if swallowed
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.