

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier	Chemical Algae Controller EINECS 264-151-6		
1.2 Relevant Identified uses of the substance or mixture and uses advised against	Uses: Algae Prevention in pool water		
1.3 Details of the supplier of the safety data sheet	Company: Complete Pool Controls Ltd Unit 2, The Park Stoke Orchard Bishops Cleeve Gloucestershire GL52 7RS		
Telephone:	+44 (0) 8712 229081	Fax:	+44 (0) 8712 229083
E-mail:	sales@cpc-chemicals.co.uk		
1.4 Emergency Telephone			
Tel:	+44 (0) 8712 229081 (office hours)		+44 (0) 1242 300271 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Skin Corrosion	Category 1C		H314
Aquatic Acute			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:	Danger	
Hazard statements:	H314	Causes severe skin burns and eye damage
	H400	Very toxic to aquatic life.
Precautionary statements:	P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
	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
	P405	Store locked up.
	P501	Dispose of contents/container in accordance with local/ regional/ national /international regulations.

Hazardous components which must be listed on the label

quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

2.3 Other Hazards	PBT: This substance is not identified as a PBT substance.
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Trade Name: Algae Controller

3. Composition/information on ingredients

3.1 Mixture

Chemical nature: Liquid Mixture of substances listed below with nonhazardous additions

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES

EINECS	CAS No:	CLP Classification	Amount %
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264-151-6	63449-41-2	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr 1B: H314; Aquatic Acute 1:H400	1 - 10
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4. First Aid measures

4.1 Description of first aid measures

General Personal protection for the First Aider. Immediately remove any clothing soiled by the product.

Skin contact: Clean with water and soap. If possible, also wash with polyethylene glycol 400. Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.

Eye contact: Protect unharmed eye. Rinse opened eye for several minutes under running water. Call a doctor immediately.

Ingestion: Do not induce vomiting; call for medical help immediately. Rinse out mouth and then drink plenty of water. A person vomiting while laying on their back should be turned onto their side.

Inhalation: Supply fresh air or oxygen; call for doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available

4.3 Indication of immediate medical attention & special treatment needed No further relevant information available

5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Unsuitable extinguishing media: Water with full jet

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire: Formation of toxic gases is possible during heating or in case of fire. Hydrogen cyanide (HCN). Nitrogen oxides (NOx). Hydrogen chloride (HCl). Carbon monoxide (CO)

5.3 Advice for firefighters

Further Information: Wear self-contained respiratory protective device. Collect contaminated fire fighting water separately. It must not enter the sewage system.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Remove persons from danger area. Wear protective clothing. Particular danger of slipping on leaked/spilled product

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up: Clean up should be dealt with only by qualified personnel familiar with the specific substance. Absorb with liquid-binding material (sand, dry earth, universal binders) Keep in suitable closed containers for disposal.

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

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. Do not handle in a confined space.

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.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage:

Store only in the original receptacle. Prevent any seepage into the ground

Protection against fire and explosion:

No special measures required

Storage Conditions

Protect from frost. Keep container tightly sealed

Suitable Packaging

Must only be kept in original packaging

Advice on common storage:

Store away from foodstuffs.

Storage Temperature:

10 °C

Storage Class:

1B

7.3 Specific end uses

No data available

8. Exposure control/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values

Exposure controls

8.2 Engineering measures

Refer to protective measures listed in sections 7 and 8.

General Information:

Use in a well ventilated area

Personal protective equipment

Respiratory protection

In case of inadequate ventilation wear respiratory protection

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

Wear safety glasses approved to standard EN 166.

Skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact

Environmental exposure controls

Dispose of in accordance with all applicable local and national regulations.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:

Liquid

Colour:

Blue

Odour:

Characteristic

pH @ 20°C:

7

Melting point

ca. 0 °C

Boiling point

> 100 °C

Trade Name: Algae Controller

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Flash point: > 100 °C
Decomposition temperature: > 120 °C
Self-igniting: Product is not selfigniting.
Danger of explosion: Product does not present an explosion hazard.
Vapour pressure at 20 °C: 23 hPa
Density @ 20°C: 0.996 g/cm³
Water solubility: Fully miscible.

Solvent content:

Organic solvents: 0.00%
VOC (EC) 0.00%

9.2 Other Information Other information No further relevant information available

10. Stability and reactivity

10.1 Reactivity

Reactivity No information available.

10.2 Chemical stability

Chemical stability No decomposition if used according to specifications

10.3 Possibility of hazardous reactions

Hazardous reactions: Reacts with strong acids and oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid No further information

10.5 Incompatible materials

Materials to avoid No further relevant information available

10.6 Hazardous decomposition products

Haz. Decomp. products: Hydrogen cyanide (HCN). Nitrogen oxides (NOx). Hydrogen chloride (HCl). Carbon monoxide (CO)

11. Toxilogical Information

11.1 Information on toxilogical effects

Toxicity Values

Route	Species	Test	Value	Units
Oral	Rat	LD50	600	mg/kg

Primary Irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eyes: Strong irritant with the danger of severe eye injury.

Sensitization: Sensitizing effect by skin contact is possible by prolonged exposure.

Carcinogenic No information available

Mutagenic No information available

Preparations as issued in the latest version: Irritant

Further Information:

Ingestion: Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach

12. Ecological Information**12.1 Toxicity Aquatic Toxicity**

Species	Test	Value	Units
Selenastrum capricornutum (Grünalge)	EC50	0.003	mg/l
daphnia	EC50	0.015	mg/l
Selenastrum capricornutum (Grünalge)	LC50	0.02	mg/l
Oncorhynchus mykiss (Regenbogenforelle)	LC50	0.85	mg/l

12.2 Persistence and degradability Biodegradable**12.3 Bioaccumulative potential** No bioaccumulation potential**12.4 Mobility in soil** No further relevant information available.**12.5 PBT and PvB assessment** PBT: This substance is not identified as a PBT substance.**Ecotoxicity values:**

Species	Test	Value	Units
Activated sludge (OECD 209)	EC10	10	mg/l

12.6 Other adverse effects

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

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 small quantities leak into the ground

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. Transport Information**14.1 Transport class:** UN1760**14.2 UN proper shipping name** 1760 CORROSIVE LIQUID, N.O.S. (benzododecinium chloride, miristalkonium chloride), ENVIRONMENTALLY HAZARDOUS**14.3 Transport hazard class(es)**

Class 8
 Classification Code C9
 Hazard label 80
 EMS Number: F-A, S-B
 Transport Category 3
 Tunnel Code E
 LQ 5 Litres

**14.4 Packaging Group** III**14.5 Environmental hazards**

Environmentally Hazardous No
 Marine Pollutant Yes

14.6 Special precautions for user Warning: Corrosive substances**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** n/a

Trade Name: **Algae Controller**

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

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

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the mixture by the supplier

16. Other information

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

H302 Harmful if swallowed

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

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.

• Abbreviations and acronyms:

REV 2

Indicates updated section.

