

Printed on: 14/01/2008

Reviewed on 29.11.07

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

- **Trade Name:** Algae Controller
- **Intended use of chemical** Algae Prevention in pool water
- **Manufacturer/Supplier** Complete Pool Controls Ltd, Unit 2, The Park, Stoke Orchard, Bishops Cleeve, Gloucestershire, GL52 7RS.
Tel: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083

2. Hazard Identification

- **Hazard description**



Xi: Irritant

- **Hazard information concerning particular hazards for human and the environment**

The product has to be labelled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest version.

R36/38 Irritating to eyes and skin

2. Composition/information on ingredients

- **Chemical characterization:**

Description	Cas No	EINECS No	R Phrases	%
benzododecinium chloride	139-07-1	205-351-5	R 21/22-34-50	2.5 - 10%
miristalkonium chloride	139-08-2	205-352-0	R 21/22-34-50	2.5 - 10%

4. First Aid measures

- **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately wash with soap and water and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After Ingestion:**

If symptoms persist consult a doctor

5. Fire fighting measures

- **Special extinguishing media:**

CO2, powder or water spray. Fight larger fires with water.

- **Special protective equipment:**

No special measures required

6. Accidental release Measures

- **Personal Protection**

Not required

- **Environmental Protection**

Dilute with plenty of water. Do not allow to enter sewers/surface or ground water

- **Methods for cleaning:**

Absorb with liquid-binding material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local and national regulations.

7. Handling and storage

- **Information for safe Handling**

See section 8

- **Information about fire and explosion protection**

No special measures required

- **Requirements to be met by storerooms and receptacles**

No special measures required

- **Information about storage in one common storage facility**

Not required

- **Further information about storage conditions**

Keep this product in original, closed container when not in use. Store

8. Exposure control/personal protection

- **Additional Information about design of technical facilities**

No further data; see item 7

- **Ingredients with limit values that require monitoring in the workplace.**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before break and at the end of work. Avoid contact with the eyes and skin.

- **Respiratory Protection**

Not required

- **Hand Protection**

The glove material has to be impermeable and resistant to the product/preparation. Due to missing tests no recommendation to the glove material can be given.

- **Eye Protection**

Tightly sealed goggles

- **Skin Protection**

Wear appropriate clothing to prevent repeated or prolonged skin contact

9. Physical and chemical properties

• Appearance at 20oC	Blue Liquid
• Odour	Characteristic
• Melting Point	Undetermined
• Boiling Point	ca. 100 °C
• Flash Point	Not applicable
• Self Igniting:	Product is not self igniting
• Danger of explosion	Product does not present an explosion hazard
• Density	1.090 gcm ⁻³ (25 °C)
• Vapour pressure	23 hPa
• Solubility in water	Fully miscible
• pH (conc)	5 - 7
• Organic Solvents	0.00%

10. Stability and reactivity**• Thermal decomposition/ conditions to avoid**

Avoid temperatures above 12°C

• Materials to avoid

None known

• Dangerous reactions

No dangerous reactions known.

• Hazardous decomposition products

No hazardous decomposition products known

11. Toxicological Information**• Acute Toxicity****• Primary Irritant effect**

on the skin: No irritant effect

on the eye: Irritant effect

• Sensitization

No sensitizing effects known

• Additional toxicological Information

The product shows the following dangers accord to the calculation method of the General EU Classification Guidelines for preparations as issued in the latest version:

Irritant

12. Ecological Information**• General Notes**

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

Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small amounts leak into the ground.

13. Disposal Considerations**• Product**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

• Container

Dispose of in accordance with Local Authority requirements.

• Recommended cleansing agents

Water if necessary together with cleansing agents

Trade Name: Algae Controller**14. Transport Information****• Land Transport ADR/RID (cross border)**

- **ADR/RID class** 8 Corrosive Substances
- **Danger code (Kemler)** 80
- **U N No** 1760
- **Packing group** III
- **Hazard label** 8
- **Proper shipping name** 1760 CORROSIVE LIQUID, N.O.S.
(benzododecinium chloride, miristalkonium chloride)

• Maritime Transport IMDG

- **IMDG class** 8
- **U N No** 1760
- **Hazard label** 8
- **Packing group** III
- **EMS Number** F-A, S-B
- **Marine Pollutant** No
- **Proper shipping name** CORROSIVE LIQUID, N.O.S.
(benzododecinium chloride, miristalkonium chloride)

• Air Transport ICAO-TI and IATA-DGR

- **ICAO/IATA class** 8
- **U N No** 1760
- **Hazard label** 8
- **Packing group** III
- **Proper shipping name** CORROSIVE LIQUID, N.O.S.
(benzododecinium chloride, miristalkonium chloride)

15. Regulatory information**• Labelling according to EU guidelines**

The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials.

• Product Name

Algae Controller

• Code letter and hazard designation of product

Xi: Irritant

• Hazard - determining components of labelling

benzododecinium chloride
miristalkonium chloride

• Risk phrases

R36/38 Irritating to eyes and skin

• Safety phrases

S2 Keep out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection
S46 In swallowed, seek medical advice immediately (show the
S56 Dispose of this material and its container at hazardous or special waste collection point

Trade Name: Algae Controller**16. Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Relevant R phrases

R21/22 Harmful in contact with skin and if swallowed

R34 Causes burns

R50 Very toxic to aquatic organisms

