

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

1.1 Product Identifier
 Chemical Algae Controller
 CAS No: 63449-41-2
 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

For the full text of the H statements mentioned in this section see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard Symbol/Category of danger	Risk phrases
Corrosive	R34

For the full text of the R phrases 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

Precautionary statements: P102: Keep out of reach of children
 P264: Wash thoroughly after handling
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P101 If medical advice is needed, have product or label to hand.
 P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
 P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 Use biocides safely. Always read the label before use.

Hazardous components which must be listed on the label dimethylbenzylammonium chloride

2.3 Other Hazards PBT: This substance is not identified as a PBT substance.

3. Composition/information on ingredients**3.1 Mixture**

Chemical nature: Liquid

Hazardous ingredients:

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

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

4. First Aid measures**4.1 Description of first aid measures**

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact: Corneal burns may occur. May cause permanent damage.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Eye bathing equipment should be available on the premises

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: No information available

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire: Corrosive. In combustion emits toxic fumes

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Further Information: Do not inhale explosion gases or combustion gases

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions:

Notify the police and fire brigade immediately. Use personal protective equipment. Keep people away from and upwind of spill/leak. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours. For personal protection see Section 8.

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. Avoid contact with the skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers:

Prevent any seepage into the ground

Advice on protection against fire and explosion:

No special measures required

Storage Conditions

Store in cool, dry conditions in well sealed receptacles

Suitable Packaging

Must only be kept in original packaging

Advice on common storage:

Keep away from food, drink and animal feedstuffs. Store away from metals. Store away from oxidising agents

Storage Temperature:

No further information available

7.3 Specific end uses

Specific use(s)

No data available

Trade Name:	Algae Controller
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8. Exposure control/personal protection

8.1 Control parameters

Workplace exposure limits:	No data available
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8.2 Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area
Respiratory protection:	Self-contained breathing apparatus must be available in case of emergency.
Hand protection:	Impermeable gloves.
Eye protection:	Tightly fitting safety goggles. Ensure eye bath is to hand.
Skin protection:	Impermeable protective clothing.

Environmental exposure controls

General advice:	Do not flush into surface water or sanitary sewer systems
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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid
Colour:	Blue
Odour:	Characteristic
pH @ 20°C:	6.0 - 9.0
Density @ 20°C:	0.990 - 1.010
Water solubility:	Miscible in all proportions

9.2 Other Information	No data available
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10. Stability and reactivity

10.1 Reactivity

Advice:	Stable under recommended transport or storage conditions
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10.2 Chemical stability

Advice:	Stable under normal conditions
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10.3 Possibility of hazardous reactions

Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below
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10.4 Conditions to avoid

Conditions to avoid	Heat
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10.5 Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids.
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10.6 Hazardous decomposition products	In combustion emits toxic fumes
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11. Toxicological Information**11.1 Information on toxicological effects****Toxicity Values**

Route	Species	Test	Value	Units
Oral	Rat	LD50	795	mg/kg
Dermal	Rat	LD50	1560	mg/kg

Hazardous ingredients:

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

Route	Species	Test	Value	Units
IVN	Mouse	LD50	16	mg/kg
Oral	Mouse	LD50	150	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous calculated

Primary Irritant effect:

On the skin: There may be redness and irritation at the site of the contact

On the eyes: There may be redness and irritation. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth & throat

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Sensitization: No information available**Carcinogenic** No information available**Mutagenic** No information available**Symptoms / routes of exposure****Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate**Eye contact:** . Corneal burns may occur. May cause permanent damage**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure**12. Ecological Information****12.1 Toxicity**

Ecotoxicity values:

Species	Test	Value	Units
Daphnia	48H EC50	0.003	mg/l

12.2 Persistence and degradability Biodegradable**12.3 Bioaccumulative potential** No bioaccumulation potential**12.4 Mobility in soil** Readily absorbed into soil**12.5 Results of PBT and PvB** This substance is not identified as a PBT substance

Trade Name: Algae Controller**13. Disposal Considerations****13.1 Waste treatment methods**

Product:

Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains.

Contaminated packaging:

Empty contaminated packaging's thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

European Waste Catalogue No:

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport Information**14.1 Transport class:**

UN1760

14.2 UN proper shipping name

CORROSIVE LIQUID, N.O.S .
(ALKYL(C8-18)DIMETHYLBENZYLAMMONIUM CHLORIDE; ALKYL(C12-16) DIMETHYLBENZYLAMMONIUM CHLORIDE)

14.3 Transport hazard class(es)

Class	8
Classification Code	C9
Hazard label	80
Transport Category	3
Tunnel Code	E

14.4 Packaging Group

III

14.5 Environmental hazards

Environmentally Hazardous	No
Marine Pollutant	Yes

14.6 Special precautions for user

No further information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No further information available

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.****15.2 Chemical Safety Assessment**

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

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16. Other information

Full text of R-phrases referred to under sections 2 and 3

R21/22:	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R50:	Very toxic to aquatic organisms.

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

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• Abbreviations and acronyms:

ADR:	Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR	Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the Americal Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Revision	Date	By	Amendment
1	19/02/07	Linda Brueford	Created
2	15/09/09	Lorna Murray	Sections 2 & 3 swapped round to comply with REACH, change from PG I to PG II, inclusion of new Environmentally Hazardous Mark for transport for packagings larger than 5kg and other minor editorial amendments.
3	03/02/10	Linda Brueford	Classification changed to include N (Dangerous to the environment). GHS label elements added and other minor editorial amendments
4	16/11/11	Linda Brueford	Updated to 2011 European requirements and other minor editorial amendments
5	15/11/13	Linda Brueford	Minor editorial amendments