

1.1	Product Identifier				
	Product Name		Algae Controller		
	REACH Registered No		BIOCIDE		
1.2	Relevant Identified use Uses:		nce or mixture and rention in pool wate		
1.3	Details of the supplier	-			
	Company:	Complete Unit 2, The Stoke Orch Bishops Cl Gloucester GL52 7RS	nard eeve		
)) 8712 229081 Ocpc-chemicals.c	Fax:	+44 (0) 8712 2290	83
1.4	Emergency Telephone				
	Tel: +44 (0) 8712 229081	(office hours)	+44 (0) 1242 3002	71 (outside of office h
zaro	d Identification				
2.1	Classification of the su	bstance or mixt	ure		
2.1	Classification according				
	Skin Corrosion 1B		H314		
	Aquatic Chronic 1		H410		
	Aquatic Acute 1		H400		
	For the full text of the I	H statements me	entioned in this sec	tion see Section 16.	
		<i>.</i>			
	Most important advers	se effects	C		
	Human Health:			toxilogical information	a n
	Physical & Chemical Ha Potential environmenta			physicochemical informati environmental information	
2.2	Label elements Labelling according to	Regulation (EC)	No 1272/2008		
	Hazard symbols:				
	Signal word:	Danger			
	Hazard statements:	H314	Causes severe skir	burns and eye damage	
		H410		tic life with long lasting e	fects.
				of childron	
	Precautionary statements	• P102	Keep out of reach	UI LIMULEU	
	Precautionary statements		Keep out of reach		
	Precautionary statements	P273	Avoid release to the	he environment.	eve protection/face protection
	Precautionary statements	P273 P280	Avoid release to the Wear protective g	he environment. loves/protective clothing,	eye protection/face protection.
		P273 P280 P301+330+331	Avoid release to the Wear protective guide of the SWALLOWED: r	he environment. loves/protective clothing, inse mouth. Do NOT indu	ce vomiting
		P273 P280	Avoid release to the Wear protective g IF SWALLOWED: r IF ON SKIN (or hair): water	he environment. loves/protective clothing, inse mouth. Do NOT indu Remove/Take off immediat	ce vomiting ely all contaminated clothing. Rinse skir
	Ρ	P273 P280 P301+330+331	Avoid release to the Wear protective g IF SWALLOWED: r IF ON SKIN (or hair): water IF IN EYES: Rinse cau	he environment. loves/protective clothing, inse mouth. Do NOT indu Remove/Take off immediat utiously with water for sever	ce vomiting
	Ρ	P273 P280 P301+330+331 303+P361+P353 305+P351+P338	Avoid release to the Wear protective go IF SWALLOWED: r IF ON SKIN (or hair): water IF IN EYES: Rinse cau present and easy to	he environment. loves/protective clothing, inse mouth. Do NOT indu Remove/Take off immediat utiously with water for sever do. Continue rinsing	ce vomiting ely all contaminated clothing. Rinse ski al minutes. Remove contact lenses, if
	Ρ	P273 P280 P301+330+331 303+P361+P353 305+P351+P338 P333+313	Avoid release to the Wear protective go IF SWALLOWED: r IF ON SKIN (or hair): water IF IN EYES: Rinse cau present and easy to If skin irritation or	he environment. loves/protective clothing, inse mouth. Do NOT indu Remove/Take off immediat utiously with water for sever do. Continue rinsing rash occurs: Get medical	ce vomiting ely all contaminated clothing. Rinse skin al minutes. Remove contact lenses, if
	P	P273 P280 P301+330+331 303+P361+P353 305+P351+P338 P333+313 P501	Avoid release to the Wear protective go IF SWALLOWED: r IF ON SKIN (or hair): water IF IN EYES: Rinse cau present and easy to If skin irritation or Dispose of conten	he environment. loves/protective clothing, inse mouth. Do NOT indu Remove/Take off immediat utiously with water for sever do. Continue rinsing rash occurs: Get medical ts/container in accordanc	ce vomiting ely all contaminated clothing. Rinse skin al minutes. Remove contact lenses, if advice/attention.
	P P Hazardous component	P273 P280 P301+330+331 303+P361+P353 305+P351+P338 P333+313 P501	Avoid release to the Wear protective go IF SWALLOWED: r IF ON SKIN (or hair): water IF IN EYES: Rinse cau present and easy to If skin irritation or Dispose of conten e listed on the labe	he environment. loves/protective clothing, inse mouth. Do NOT indu Remove/Take off immediat utiously with water for sever do. Continue rinsing rash occurs: Get medical ts/container in accordanc	ce vomiting ely all contaminated clothing. Rinse skir al minutes. Remove contact lenses, if advice/attention.
	P P Hazardous component quaternary ammonium	P273 P280 P301+330+331 303+P361+P353 305+P351+P338 P333+313 P501 ts which must be a compounds, be	Avoid release to the Wear protective go IF SWALLOWED: r IF ON SKIN (or hair): water IF IN EYES: Rinse cau present and easy to If skin irritation or Dispose of conten e listed on the labe	he environment. loves/protective clothing, inse mouth. Do NOT indu Remove/Take off immediat utiously with water for sever do. Continue rinsing rash occurs: Get medical ts/container in accordanc imethyl, chlorides	ce vomiting ely all contaminated clothing. Rinse skin al minutes. Remove contact lenses, if advice/attention. e with national regulations.
2.3	P P Hazardous component	P273 P280 P301+330+331 303+P361+P353 305+P351+P338 P333+313 P501 ts which must be a compounds, be	Avoid release to the Wear protective go IF SWALLOWED: r IF ON SKIN (or hair): water IF IN EYES: Rinse cau present and easy to If skin irritation or Dispose of conten e listed on the labe	he environment. loves/protective clothing, inse mouth. Do NOT indu Remove/Take off immediat utiously with water for sever do. Continue rinsing rash occurs: Get medical ts/container in accordanc	ce vomiting ely all contaminated clothing. Rinse ski al minutes. Remove contact lenses, if advice/attention. e with national regulations.

Trade Name:

4. First Aid measures

General

4.1 Description of first aid measures

3.

Algae Controller

3. Composition/i	nformation on ingredients		
3.2 Mixture Chemic	e al nature: Liquid	Mixture of substances listed below with nonhazardous addit	ions
	·	OUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES	
EINECS	CAS No:	CLP Classification Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr 1B: H314;	Amount %
270-325	5-2 68424-85-1	Aquatic Acute 1:H400	1 - 10%

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

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin Skin contact: with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning. Check for and remove any contact lenses. Open eyes wide apart. Rinse opened eye with plenty of water for at least 15 Eye contact: minutes. Get medical attention. Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If Ingestion: unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is Inhalation: OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible. 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. Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the lingestion: mouth or nose. Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Effects: Immediate effects can be expected after short-term exposure.

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: Unsuitable extinguishing media: Water with full jet 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 Advice for firefighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

6. Accid	ental release Measures			
Personal Precautions: Notif away acces prote		equipment and emergency procedures by the police and fire brigade immediately. If outside keep bystanders upwind and from danger point. Mark out the contaminated area with signs and prevent as to unauthorised personnel. Do not attempt to take action without suitable ective clothing - see section 8 of SDS. Turn leaking containers leak-side up to ent the escape of liquid. Refer to section 8 of SDS for personal protection details.		
6.2	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 u	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) p: 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:	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the
Auvice on sale handling.	area. Do not handle in a confined space. Avoid the formation or spread of mists in the
	air.
7.2 Conditions for safe storage, including	any incompatibilities.
Requirements for storage:	Prevent any seepage into the ground
Requirements for storage: Protection against fire and explosion:	
	Prevent any seepage into the ground
Protection against fire and explosion:	Prevent any seepage into the ground No special measures required

7.3 Specific end uses

No data available

posu	re control/personal protection	
8.1	Control parameters	Contains no substances with occupational exposure limit values
I	Exposure controls	
8.2	Engineering measures	
	General Information:	Ensure there is sufficient ventilation of the area. The floor of the storage roon must be impermeable to prevent the escape of liquids.
I	Personal protective equipment	
I	Respiratory protection	Self-contained breathing apparatus must be available in case of emergency.
I	Hand protection	Impermeable gloves.
I	Eye protection	Wear safety glasses approved to standard EN 166.
	Skin and body protection	Impermeable protective clothing.
I	Environmental exposure controls	Dispose of in accordance with all applicable local and national regulations.

Algae Controller

9. Physical and chemical properties

	ar and chemical properties	
0.1		
9.1	Information on basic physic	
	Form:	Liquid
	Colour:	Blue
	Odour:	Mild
	Relative density:	0.994 g/cm ³
	Water solubility:	Soluble
9.2	Other Information	No further relevant information available
10. Stabi	lity and reactivity	
10 1	Reactivity	
10.1	Reactivity	Stable under recommended transport or storage conditions.
	Nedetivity	Stable under recommended transport of storage conditions.
10.2	Chemical stability	
	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous rea	
	Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4	Conditions to avoid	
	Conditions to avoid	Heat
10 E	Incompatible materials	
10.5	Materials to avoid	Strong acids. Strong bases. Strong oxidising agents.
		Strong acids. Strong bases, strong oxidising agents.
10.6	Hazardous decomposition	products
	Haz. Decomp. products:	In combustion emits toxic fumes.

11. Toxilogical Information

11.1 Information on toxilogical effects

Hazardous ingredients:

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES

Route	Species	Test	Value	Units
Dermal	Rat	4hr LC50	>5000	mg/kg
Oral	Rat	LD50	795	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

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.

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.
 - Effects: Immediate effects can be expected after short-term exposure.

Algae Controller

12. Ecological Information

12.1 Toxicity

Ecotoxicity values:

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES

Species	Т	est	Value	Units
Daphnia	EC50	48H	0.03	mg/l

Acquatic Toxicity

Species	Test	Value	Value	Units
Daphnia	EC50	48H	0.016	mg/l
Green Alga (Selenastrum capricornutu)	EC50	48H	0.02	mg/l
Rainbow Trout (Oncorhynchus mykiss)	LC50	96H	0.85	mg/l

12.2 Persistence and degradability

Persistence and degradability No data available

12.3 Bioaccumlative potential

Bioaccumlative potential No data available

- 12.4 Mobility in soil
 Readily absorbed into soil
- **12.5 PBT and PvB assessment**PBT IdentificationThis product is not identified as a PBT/vPvB substance.
- 12.6 Other adverse effects
 - Other adverse effects No data available

13. Disposal Considerations

13.1 Waste treatment methods

- Transfer to a suitable container and arrange for collection by specialised disposal company
- 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

14.1 Transport class:	UN1760		
14.2 UN proper shipping name		QUID, N.O.S. (QUATERNARY AMI THYL, CHLORIDES)	MONIUM COMPOUNDS, BENZYL-C1
14.3 Transport hazard class(es) Class	8		
14.4 Packaging Group	Ш		
14.5 Environmental hazards			
Environmentally Hazardous	Yes	Marine Pollutant	No
14.6 Special precautions for user			
Special precautions	Warning: Corro	osive substances.	
Tunnel Code	E		
Transport Category	3		

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 3H302Harmful if swallowedH318Causes serious eye damage.H314Causes severe skin burns and eye damage.H400Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects.

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.

Indicates updated section.