

SAFETY DATA SHEET

CHAMPION ALGAECIDE

MAAA756

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

Product name : CHAMPION ALGAECIDE **Supplier** : Brenntag UK and Ireland
 Albion House
 Rawdon Park
 Green Lane
 Yeadon
 Leeds
 LS19 7XX

EMERGENCY ONLY TELEPHONE NUMBER : (N.C.E.C. CULHAM) 01865 407333 **Telephone No.** : (0113) 3879200

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2. Composition/information on ingredients

Substance/Preparation : Preparation

Chemical name*	CAS No.	%	EC Number	Symbol	R-Phrases
1) ETHYLENE GLYCOL	107-21-1	2	203-473-3	Xn	R22
2) C12-C16 alkylbenzyltrimethylammonium chloride	68424-85-1	50	270-325-2	C, N	R21/22, R34, R50

* Occupational Exposure Limit(s), if available, are listed in Section 8

CAS No. : Mixture.
EINECS Number : Mixture.

3. Hazards identification

Human health hazards : Harmful in contact with skin and if swallowed.
 Causes burns.

Environmental hazards : Very toxic to aquatic organisms.

4. First-aid measures

First-Aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention immediately.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.

Eye Contact : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

5. Fire-fighting measures

Extinguishing Media

Suitable : SMALL FIRE: Use DRY chemical powder.
 LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Unusual fire/explosion Hazards : Treat as an oil fire.

Hazardous thermal (de)composition products : If involved in a fire may decompose to give off toxic materials.

Special fire-fighting procedures : Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters : Be sure to use an approved/certified respirator or equivalent.

6. Accidental release measures

- Personal Precautions** : Splash goggles. Protective overalls/suit. Boots. Gloves. Select appropriate protective clothing for the size of the spillage.
- Environmental precautions and cleanup methods** : Absorb with an inert material and put the spilled material in an appropriate waste disposal.

7. Handling and storage

- Handling** : Keep away from heat. Keep away from sources of ignition. Empty containers may still contain significant residual amounts of the product. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended use** : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

<u>Ingredient Name</u>	<u>Workplace Exposure Limits</u>
1) ETHYLENE GLYCOL	EH40 (United Kingdom (UK), 2005). TWA: 52 mg/m ³ Form: Vapor STEL: 104 mg/m ³ Form: Vapor TWA: 10 mg/m ³

Personal protective equipment

- Respiratory system** : Wear appropriate respirator when ventilation is inadequate.
- Skin and body** : Overalls or Lab coat.
- Hands** : Neoprene gloves. Nitrile gloves.
- Eyes** : Splash goggles.

9. Physical and chemical properties

- Physical state** : Liquid.
- Colour** : Colourless to yellowish.
- Odour** : Characteristic.
- Boiling point** : 102°C (215.6°F)
- Melting point** : <0°C (32°F)
- Density** : 0.98 g/cm³ at 20°C
- Vapour pressure** : 12 kPa at 50°C
- Solubility** : Soluble in water and 2-propanol.
- Octanol/water partition coefficient** : log Pow <3
- pH** : 6 to 9 [Basic.] (10% solution)
- Flash point** : >105°C (221°F).
- Autoignition temperature** : 370°C (698°F)
- Viscosity** : 130 mPas at 20°C.

10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to Avoid** : Avoid elevated temperatures.
- Hazardous decomposition products** : If involved in a fire may decompose to give off toxic materials.

11. Toxicological information

Local effects

- Skin irritation** : Hazardous in case of skin contact (corrosive).
- Eye irritation** : Hazardous in case of eye contact (irritant). Risk of serious and permanent damage to eyes.

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- Acute toxicity** : Acute oral toxicity (LD50): 795 mg/kg [Rat].
Acute dermal toxicity (LD50): 400 to 2000 mg/kg [Rabbit]. (C12-C16 alkylbenzyltrimethylammonium chloride).
- Ingestion: Harmful if swallowed. May cause burns in mucous membranes, throat, oesophagus and stomach.
Inhalation: May cause irritation to the respiratory system.

12. Ecological information

- Persistence/degradability** : The product contains only readily biodegradable substances. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.
- **C12-C16 alkylbenzyltrimethylammonium chloride:**
Readily biodegradable. >60% BOD, 28 days, Closed bottle test (OECD 301D).
- Ecotoxicity** : - **C12-C16 alkylbenzyltrimethylammonium chloride:**
Ecotoxicity in water:
(LC50): <1 mg/l, 96 hours [Fish].
(IC50): <1 mg/l, 72 hours [Algae].
(EC50): <1 mg/l, 48 hours [Daphnia].
- Very toxic to aquatic organisms.

13. Disposal considerations

- Methods of disposal ; Waste of residues ; Contaminated packaging** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

- Waste Classification** : Not applicable.

14. Transport information

International transport regulations

- UN :** UN number 1760
- UN :** Proper shipping name Corrosive liquid, n.o.s. ((fractionated coco benzyltrimethylammonium chloride solution)
- UN :** Class 8
- UN :** Packing group II
- UN :** Label



- ADR/RID :** Class 8
- ADR/RID :** Hazard identification number 80
- IMDG :** Proper shipping name Corrosive liquid, n.o.s. ((fractionated coco benzyltrimethylammonium chloride solution)
- IMDG :** Packing group II
- IATA :** Proper shipping name Corrosive liquid, n.o.s. ((fractionated coco benzyltrimethylammonium chloride solution)
- IATA :** Packing group II
- IATA :** Additional Information -

15. Regulatory information

EU Regulations

- Hazard symbol(s)** : The image shows two orange square hazard symbols. The first symbol (C) depicts a liquid being poured from a beaker onto a hand and a surface, with a flame below. The second symbol (N) depicts a dead tree and a dead fish.
- Classification** : Corrosive, Dangerous for the environment
- Risk Phrases** : R21/22- Harmful in contact with skin and if swallowed.
R34- Causes burns.
R50- Very toxic to aquatic organisms.
- Safety Phrases** : 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 soap and water.
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S57- Use appropriate containment to avoid environmental contamination.
- Contains** : - Coco alkyl dimethylbenzyl ammonium chloride

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Product Use : Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.
- Consumer applications.

16. Other information

HISTORY

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Prepared by : Michael Hale / Alistair Hunter

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

CHANGES SINCE PREVIOUS VERSIONS:

Vers 2 - Major change as replacement of component CAS 61789-71-7 with CAS 68424-85-1 in section 2; also changes to sections 3, 4, 5, 8, 9, 11, 12, 14 and 15.

Version 1.01

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