

SAFETY DATA SHEET

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

- 1.1 Product Identifier** Heavy Duty Algeacide
 Trade Name: Polyquaternary ammonium compound
 CAS No: 25988-97-0
- 1.2 Relevant Identified uses of the substance or mixture and uses advised against**
 Uses and restrictions: No information available
- 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
- Emergency Telephone**
 1.4 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 |
|---------------|-----------------|---------------|-------------------|
| Aquatic Acute | Category 1 | | H410 |
- 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: Warning

Hazard statements: H410 Very toxic to aquatic life with long lasting effects

Precautionary statements:

P280: Wear protective gloves/protective clothing/eye protection/face protection
 P273: Avoid release to the environment
 P102: Keep out of reach of children
 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P401: Store in accordance with local/national/ international regulations
 P501: Dispose of contents / container in accordance with regulations

Hazardous components which must be listed on the label: Polyquaternary ammonium compound

- 2.3 Other Hazards** No other information is available

Trade Name: Heavy Duty Algaecide

3. Composition/information on ingredients

3.1 Mixture Mixture of substances listed below with nonhazardous additions

Chemical nature: liquid

Polyquaternary ammonium compound

CAS No:	EC No	%	CLP Phrases
25988-97-0	270-325-2	25 - 50%	H410

4. First Aid measures

4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If Inhaled: In case of accident by inhalation; remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact: Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get professional medical attention if irritation persists.

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.

If swallowed: Clean mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting - seek medical advice. If a person vomits when lying on his back place him in the recovery position.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects: No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

5. Fire fighting measures

5.1 Extinguishing media:

Suitable media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable media: No information available

5.2 Special hazards arising from the substance or mixture

Specific Hazards: None known

5.3 Advice for firefighters

Protective equipment: In the event of fire, wear self-contained breathing apparatus.

Wear appropriate body protection (full protective suit).

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: Use personal protective equipment. Keep people away from and upwind of spill/leak. Provide adequate ventilation. Avoid contact with skin and eyes. For personal protection see Section 8.

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system; Do not allow to penetrate the ground/soil. Dilute with plenty of water.

6.3 Methods and materials for containment and cleaning up

Cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders)

Keep in suitable closed containers for disposal.

Further Information: Treat recovered material as described in the section 'Disposal considerations'

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 contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms. Take precautionary measures against static discharges.

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.

Storage areas & containers: Prevent any seepage into the ground

Fire and explosion: No special measures required

Common storage: Store away from oxidising agents

Storage Temperature: No further information available

7.3 Specific end uses No further information available

8. Exposure control/personal protection

8.1 Control parameters

This product does not contain any relevant quantities that have to be monitored in the workplace.

8.2 Exposure controls

Engineering measures Refer to protective measures listed in sections 7 and 8

Personal protective equipment

Respiratory protection Not required

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374. The glove material has to be impermeable to the product/the substance/preparation. Take note of the information given by the producer concerning permeability, break through times, and of special and of special working conditions (mechanical Protective gloves should be replaced at first sign of wear.

Eye protection Wear safety goggles approved to standard EN 166.

Skin and body protection Wear appropriate clothing to prevent repeated or prolonged skin contact

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer systems

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Liquid
Colour: Colourless
Odour: Mild
pH @ 20°C: 5 - 7
Boiling point: 100 °C
Flash point: not applicable
Flammability (solid, gas) does not ignite

Cont....

Trade Name: Heavy Duty Algaecide

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Upper explosion limit: not applicable
Lower explosion limit: not applicable
Density @ 20°C: 1.052 g/cm³
Water solubility: Completely soluble
Ignition temperature: >250 °C

9.2 Other Information No further information available

10. Stability and reactivity

10.1 Reactivity

Reactivity No information available

10.2 Chemical stability

Chemical stability No decomposition if stored and applied as directed

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid

Conditions to avoid No information available

10.5 Incompatible materials

Incompatible materials Strong oxidising agents

10.6 Hazardous decomposition products

Haz. Decomp, products Nitrogen Oxide

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

<i>Polyquaternary ammonium compound</i>		25988-97-0
Value type	Species	Value
LD50	rat	>5,000 mg/kg

Primary Irritant effect

On the skin: No Irritating effect

On the eye: No Irritating effect

Carcinogenic

No information available

Mutagenic

No information available

Sensitization:

No sensitizing effects known

Further information

Other relevant toxicity: Handle in accordance with good industrial hygiene and safety practise.

12. Ecological Information

12.1 Toxicity

This product is toxic to fish, aquatic organisms and water plankton

DO NOT discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans or their waters unless in accordance with the applicable regulatory requirements.

DO NOT discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

Cont....

Trade Name: Heavy Duty Algaecide

12. Ecological Information

12.2 Persistence and degradability

Remarks: Currently we do not have any information from our supplier about this.

12.3 Bioaccumulative potential

Remarks: Product is not expected to bioaccumulate.

12.4 Mobility in soil

Remarks: soluble in water, predicted to have high mobility in soil.

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Remarks: **DO NOT** discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans or their waters unless in accordance with the applicable regulatory requirements.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

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 UN Number

3082



14.2 UN proper shipping name

ADR / IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyquaternary ammonium compound)

ICAO: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyquaternary ammonium compound)

14.3 Transport hazard class(es)

ADR /IMDG Class 9

(Label, classification code; Hazard ID;) 9,90

ICAO: 9

(Labels; EmS) 9, F-A,S-B

14.4 Packaging Group

ADR / RID/ IMDG: III

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR / RID/IMDG: No

Classification as environmentally hazardous according to 2.9.3 IMDG: yes

14.6 Special precautions for user

Note: Not applicable

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

IMDG: Not applicable

Trade Name: Heavy Duty Algaecide

15. Regulatory information

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

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

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

H410 Very toxic to aquatic life with long lasting effects

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.

Revision 5

█ Indicates updated section.