

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

1.1 Product Identifier Aquablanc Active Oxygen Liquid with algaecide

1.2 Relevant Identified uses of the substance or mixture and uses advised against

No further relevant information For disinfection of pool and spa 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	Hazard Statements
Eye Damage	Category 1	H318
Acute Environ		H411

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: Danger

Hazard statements: H318 Causes serious eye damage
 H411 Toxic to aquatic life with long lasting effects

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves / eye protection.

P273 Avoid release to the environment.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Hazardous components which must be listed on the label

hydrogen peroxide solution

2.3 Other Hazards

Results of PBT and vPvB assessment Not applicable

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

Mixture of the substances listed below with non-hazardous additions

Index	CAS No	EINECS	%	CLP Classification
hydrogen peroxide solution				
008-003-00-9	7722-84-1	231-765-0	10 - <12%	H271, H314, H302,H332
Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride				
	25988-97-0		1 - <2.5%	H400; H410; H302

4. First Aid measures**4.1 Description of first aid measures****General information:**

Take affected persons out of danger area and lay down.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident

After inhalation:

Take affected persons into fresh air and keep quiet. Call a doctor immediately.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact:

Call a doctor immediately.

Rinse opened eye for several minutes under running water. Then consult a doctor. Protect unharmed eye.

4.1 Description of first aid measures**After Swallowing:**

Rinse out mouth and then drink plenty of water.

A person vomiting while laying on their back should be turned onto their side. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available

4.3 Indication of immediate medical attention and special treatment needed

No further relevant information available

5. Fire fighting measures**5.1 Extinguishing media:**

Suitable media: Water spray; Foam; Fire-extinguishing powder; Carbon dioxide

Unsuitable media: Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available**5.3 Advice for fire-fighters**

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources. Wear protective clothing.

6.2 Environmental precautions

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

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

Keep away from heat and direct sunlight.

Do not refill residue into storage receptacles.

Do not seal receptacles gas-tight.

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire and explosion protection: Potentially explosive when mixed with organic substances.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Jointless, smooth floor and walls.

Provide acid-resistant floor.

Use only receptacles specifically permitted for this substance/product.

Information about storage in one common storage facility:

Store away from reducing agents, metals and flammable substances.

Further information about storage conditions: Keep container tightly sealed.

Storage class: 5.1B

7.3 Specific end uses

No further relevant information available

8. Exposure control/personal protection

8.1 Control parameters

Component: hydrogen peroxide solution

CAS No:

7722-84-1

WEL Short-term value: 2.8 mg/m³ 2 ppm

Long-term value: 1.4 mg/m³ 1 ppm

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Engineering measures

Refer to protective measures listed in sections 7 and 8

Personal protective equipment

General protective and hygienic measures:

Be sure to clean skin thoroughly after work and before breaks.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

8. Exposure control/personal protection**Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.

Use suitable respiratory protective device when high concentrations are present.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable: Natural rubber, NR
Not suitable are gloves made of the following materials: Leather gloves, Strong material gloves

Eye protection

Wear tightly sealed goggles approved to standard EN 166.

Body protection:

Impervious protective clothing

Boots

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour Threshold:	Not determined
pH @ 20°C:	02-Apr
Melting Point	Undetermined
Boiling point:	100°C
Flash point:	Not applicable
Evaporation rate:	Not determined
Flammability (solid, gas)	Not applicable
Vapour pressure at 20 °C	23 hPa
Relative vapour density:	Not determined
Density @ 20°C:	Not determined
Decomposition temperature:	Not determined
Self Igniting	Product is not self igniting
Danger of explosion	Product does not present an explosion hazard
Explosion Limits:	Lower: Not determined. Upper: Not determined.
Water solubility:	Fully miscible

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9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Partition coefficient:n-octanol/water:	Not determined
Viscosity	Dynamic: Not determined
	Kinematic: Not determined
Solvent content:	
	Organic solvents: 0.00%
	Water: 86.40%
	VOC (EC) 0.00%

9.2 Other Information No further information available

10. Stability and reactivity**10.1 Reactivity****10.2 Chemical stability**

Thermal decomposition / conditions to be avoided: Exothermic thermal decomposition.

10.3 Possibility of hazardous reactions

Reacts with reducing agents.
Reacts with acids, alkalis and oxidising agents.
Reacts with certain metals.
Reacts with strong alkali.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials No further relevant information available.

10.6 Hazardous decomposition products Hydrogen and Oxygen

11. Toxicological Information**11.1 Information on toxicological effects****Acute toxicity:**

7722-84-1 hydrogen peroxide solution			
Oral LD50	1193	mg/kg	rat
Dermal LD50	>6500	mg/kg	rabbit
Inhalative LC50	>0.17	mg/l	rat
25988-97-0 - Polymeric quaternary ammonium chloride			
Inhalative LC50	>0.53	mg/l	rat
LD50	>2000	mg/kg	rat

Primary irritant effect:

on the skin: No irritant effect.
on the eye: Strong irritant with the danger of severe eye injury.
Sensitisation: No sensitising effects known.

7722-84-1 hydrogen peroxide solution				
Oral NOEL	37	mg/kg	mouse	OECD TG 408
NOEL	26	mg/kg	mouse	OECD TG 108

Additional toxicological information:

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

Harmful
Irritant

12. Ecological Information**12.1 Toxicity****Acute Toxicity**

7722-84-1	hydrogen peroxide solution		
EC50	4.3	mg/l	(Selenastrum capricornutum (Grünalge))
EC50	2.4	mg/l	(daphnia)
LC50	31.3	mg/l	(Oncorhynchus mykiss (Regenbogenforelle))

12.2 Persistence and degradability

No further relevant information

12.3 Bioaccumulative potential

No further relevant information

12.4 Mobility in soil

No further relevant information

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

Harmful to aquatic organisms

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

12.5 Results of PBT and PvB

No further relevant information

12.6 Other adverse effects

No further relevant information

13. Disposal Considerations**13.1 Waste treatment methods****Recommendation**

Small amounts may be diluted with plenty of water and washed away. Dispose of larger amounts in accordance with Local Authority requirements.

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

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.




Recommended cleansing agents: Water, if necessary together with cleansing agents.

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	UN3139
14.2 UN proper shipping name	3139 OXIDIZING LIQUID, N.O.S., ENVIRONMENTALLY HAZARDOUS OXIDIZING LIQUID, N.O.S. (Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride), MARINE POLLUTANT OXIDIZING LIQUID, N.O.S
14.3 Transport hazard class(es) ADR, IMDG	 
Class Label	5.1 Oxidising substances 5.1
IATA	
Class Label	5.1 Oxidising substances 5.1
ADR ,IATA,IMDG	
14.4 Packaging Group	III
14.5 Environmental hazards	Product contains environmentally hazardous substances: Polymer of N-methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride
Marine pollutant: Yes	Yes
Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user	Warning: Oxidising substances.
Danger code (Kemler)	-
EMS Number	F-A,S-Q
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

Transport/Additional information:**ADR**

Excepted quantities (EQ)	E1
Limited quantities (LQ)	5L
Excepted quantities (EQ) Code	E1
Maximum net quantity per inner packaging	30 ml
Maximum net quantity per outer packaging	1000 ml
Transport category	3
Tunnel restriction code	E

IMDG

Excepted quantities (EQ) Code	E1
Maximum net quantity per inner packaging	30 ml
Maximum net quantity per outer packaging	1000 ml

UN "Model Regulation": UN3139, OXIDIZING LIQUID, N.O.S. , ENVIRONMENTALLY HAZARDOUS, 5.1, III

Trade Name: Aquablanc Active Oxygen Liquid with Algaecide

15. Regulatory information

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

No further relevant information available

15.2 Chemical Safety Assessment

No further relevant information available

16. Other information

Relevant phrases

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

H271 May cause fire or explosion; strong oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

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.

• 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

Rev 3

Indicates updated section