

Aquablanc O2 Gentle :Sachet A

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

1.1 Product Identifier

Trade Name: Aquablanc O2 Gentle System :Sachet A - 220g

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

Uses: Treatment of Swimming Pool Water

Restrictions: At this time we do not have information on use restrictions

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) 371 2229084 (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 Corr. 1B			H314
Acute Tox. 4 *			H302

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 toxilological 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
H302: Harmful if swallowed.

Precautionary statements: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P260 Avoid breathing gas/mist/vapours/spray
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations

P301+330+P310 IF SWALLOWED: rinse mouth. Immediately call a poison centre
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P305+351+338:

2. Hazard Identification**Hazardous components which must be listed on the label**

pentapotassium bis(peroxymonosulphate)bis(sulphate)

2.3 Other Hazards

Results of PBT and vPvB assessment not applicable

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

Chemical nature: Mixture of substances listed below with non - hazardous additions.

pentapotassium bis(peroxymonosulphate)bis(sulphate)			
CAS No	ENICS No	%	CLP Classification
70693-62-8	274-778-7	75 - 100%	H302; H314; H318; H412
Aluminiumsulfat Octadecahydrat			
16828-12-9	233-135-0	2.5 - 10%	H315;H319;H335;H412

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. Call a doctor immediately.

In case of skin contact: Wash off immediately with plenty of soap & water. Seek medical advice

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Call a doctor immediately

If swallowed: Clean mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. Call for a doctor immediately

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

4.2 Most important symptoms and effects, both acute and delayed

Symptoms & effects: No further information

4.3 Indication of immediate medical attention and special treatment needed

Treatment No information available

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

Suitable media: Water

Unsuitable media: Water with full jet

5.2 Special hazards arising from the substance or mixtureSpecific Hazards : Fire may cause evolution of Sulphur dioxide (SO₂)**5.3 Advice for fire-fighters**

Protective equipment: Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA).

Further Information: Cool endangered receptacles with water spray.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Wear respiratory protection. Keep unprotected persons away. Avoid formation of dust

6.2 Environmental precautions

Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and materials for containment and cleaning up

Cleaning up: Dilute with plenty of water, Use neutralizing agent. Ensure adequate ventilation.

Further Information: Treat recovered material as described in section 13.

6.4 Reference to other sections

See Section 1 for emergency contact information
See Section 8 for information on Personal protective equipment
See section 13 for waste treatment information

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Keep receptacle tightly closed. Do not refill residue into storage receptacles. Thorough dedusting.

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: Store only in the original receptacle.

Fire and explosion: No further information available

Further information: Protect from humidity and water. Protect from contamination.
Keep container tightly sealed.

Common storage: Store away from flammable substances

Storage Temperature: No further information available

Storage class: 8 B

7.3 Specific end uses

Specific use(s): No information available

8. Exposure control/personal protection

8.1 Control parameters: No value assigned for this product

8.2 Exposure controls

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

Personal protective equipment

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.

Respiratory protection: Use respirator with appropriate filter if vapours or aerosol are released
Recommended Filter type: FP2

Hand protection: Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Material: Butyl rubber, BR
Unsuitable: Leather

8. Exposure control/personal protection

8.2 Exposure controls

Personal protective equipment

Eye protection: Wear safety goggles approved to standard EN 166. Ensure eyewash station available

Skin and body protection: Impervious protective clothing

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer systems
 Avoid subsoil penetration
 If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Granular solid
 Colour: Whitish
 Odour: Odourless
 Odour Threshold: Not determined

pH @ 20°C: Not applicable
 Melting point: Undetermined
 Boiling point: Undetermined
 Flammability (solid, gas): Not determined
 Self igniting: Product is not self igniting.
 Upper explosion limit: Not determined
 Lower explosion limit: Not determined
 Vapour pressure: Not applicable
 Relative density: Not determined
 Vapour density: not applicable
 Water solubility: Soluble
 Ignition temperature: not applicable

Viscosity: Kinematic: Not applicable
 Dynamic: Not applicable

Explosive properties: Product does not present an explosion hazard

Solvent content:
 Organic solvents: 0.00%
 VOC (EC): 0.00%

9.2 Other Information No further relevant information available

10. Stability and reactivity

10.1 Reactivity

Reactivity: No information available

10.2 Chemical stability

Chemical stability: Decomposes before melting

10.3 Possibility of hazardous reactions

Hazardous reactions: Reacts with alkali, metals, acids and humid air.

10.4 Conditions to avoid

Conditions to avoid: No further relevant information available.

10.5 Incompatible materials

Materials to avoid: No further relevant information available.

10.6 Hazardous decomposition products

Haz. Decomp. products: Sulphur oxides (SO_x)

11. Toxicological Information**11.1 Information on toxicological effects****LD/LC50 values relevant for classification:****Acute Toxicity****70693-62-8 pentapotassium bis(peroxymonosulphate)bis(sulphate)**

Oral	LD50	1000-2000 mg/kg	rat
Dermal	LD50	> 2000 mg/kg	rabbit
Inhalative	LC50	> 5 mg/l	rat

Primary irritant effect:**on the skin:** Caustic effect on skin and mucous membranes**on the eye:** Strong caustic effect**Sensitization:** No sensitizing effects known.**Chronic toxicity** No information available**Carcinogenicity** No information available**Mutagenicity** No information available**Preparations as issued in the latest version:**

Harmful

Corrosive

Other relevant toxicity: Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of the oesophagus and stomach.

12. Ecological Information**12.1 Toxicity****Aquatic Toxicity:** **70693-62-8 pentapotassium bis(peroxymonosulphate)bis(sulphate)**

EC50 >1mg/l (Selenastrum capricornutum (Grünalge))

LC50 53mg/l (Danio rerio (Zebraabärbling))

Remark Harmful to fish

12.2 Persistence and degradability

Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential

Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil

Mobility in soil No further relevant information available.

12.5 Results of PBT and PvB

PBT and PvB not applicable

Notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
 Must not reach sewage water or drainage ditch undiluted or unneutralized.
 Harmful to aquatic organisms

12.6 Other adverse effects No further relevant information available.**13. Disposal Considerations****13.1 Waste treatment methods**

- 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

13. Disposal Considerations**13.1 Waste treatment methods****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. Transport Information

14.1 UN Number	UN3260
14.2 UN proper shipping name	3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (pentapotassium bis(peroxymonosulphate)bis(sulphate))
14.3 Transport hazard class(es)	
Class	8 (Corrosive Substances)
Hazard label	80
Excepted quantities	E2
Transport Category	2
Tunnel	E
LQ	1kg
EMS No	F-A S-B
14.4 Packaging Group	II
14.5 Environmental hazards	
Environmentally Hazardous	Yes
Marine Pollutant	No
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.**

Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning juveniles must be observed.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

Full text of H-statements referred to under sections 2 and 3
H314: Causes severe skin burns and eye damage
H302: Harmful if swallowed.

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.

SAFETY DATA SHEET
Revision 4

Aquablanc O2 Gentle System :Sachet B

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

1.1 Product Identifier

Trade Name: Aquablanc O2 Gentle System :Sachet B - 50ml

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

Uses: Treatment of Swimming 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) 3712 229084 (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 Statements
Aquatic Acute1	H400
Aquatic Chronic	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:	P101	If medical advice is needed, have product container or label at hand.
	P102	Keep out of reach of children.
	P103	Read label before use.
	P273	Avoid release to the environment
	P391	Collect spillage
	P501	Dispose of contents/container in accordance with local regulations
	P301+330 + P310	IF SWALLOWED: rinse mouth. Immediately call a poison centre
P305+351+338:	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing	

Hazardous components which must be listed on the label

(N,Ndimethyl-2-hydroxyammonium chloride (polymer))

2.3 Other Hazards

PBT and vPvB assessment: not applicable

3. Composition/information on ingredients

3.1 Mixture

Chemical nature: Mixture of substances listed below with non - hazardous additions.

Chemical Name

25988-97-0 Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride

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. Call a doctor immediately.

In case of skin contact: Wash off immediately with plenty of soap & water. Seek medical advice

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Call a doctor immediately

If swallowed: Clean mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. Call for a doctor immediately

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

4.2 Most important symptoms and effects, both acute and delayed

Symptoms & effects: No further information

4.3 Indication of immediate medical attention and special treatment needed

Treatment: No 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

Specific Hazards : Fire may cause evolution of Carbon monoxide (CO) and Nitrogen oxides (NOx)

5.3 Advice for fire-fighters

Protective equipment: Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA).
Do not inhale explosion gases or combustion gases.

Further Information: Cool endangered receptacles with water spray.
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

Personal Precautions: Keep people at a distance and stay on the windward side.
Particular danger of slipping on leaked/spilled product.
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Environmental precautions: Do not allow product to reach sewage system or any water course.
Dilute with plenty of water.

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

6.3 Methods and materials for containment and cleaning up

Cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders,
Further Information: Treat recovered material as described in section 13.

6.4 Reference to other sections

See Section 1 for emergency contact information
See Section 8 for information on Personal protective equipment
See section 13 for waste treatment information

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Keep receptacle tightly closed. Keep away from heat and direct sunlight.

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: Store only in the original receptacle. Prevent any seepage into the ground.

Fire and explosion: No further information available

Further information: Protect from frost, heat and direct sunlight. Keep container tightly sealed.

Common storage: Store away from flammable substances

Storage Temperature: No further information available

Storage class 12

7.3 Specific end uses

Specific use(s) No information available

8. Exposure control/personal protection

8.1 Control parameters No value assigned for this product

8.2 Exposure controls

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

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.

Material Rubber

Unsuitable: Leather

8. Exposure control/personal protection

8.2 Exposure controls

Personal protective equipment

Eye protection: Wear safety goggles approved to standard EN 166. Ensure eyewash station available

Skin and body protection: Impervious protective clothing

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer systems
 Avoid subsoil penetration
 If the product contaminates rivers and lakes or drains inform authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid
Colour:	Green
Odour:	Characteristic
Odour Threshold:	Not determined
pH @ 20°C:	6.4 - 7.8
Melting point:	ca. 0°C
Boiling point:	100°C
Self igniting:	Product is not self igniting.
Density @ 20°C:	1.12 g/cm ³
Vapour Pressure @ 20°C:	23 hPa
Water solubility:	Fully miscible
Partition coefficient:n-octanol/water:	-3,13
Ignition temperature:	100°C
Explosive properties:	Product does not present an explosion hazard
Solvent content: Organic solvents:	0.00%
VOC (EC)	0.00%

9.2 Other Information

No further relevant information available

10. Stability and reactivity

10.1 Reactivity

Reactivity: No information available

10.2 Chemical stability

Chemical stability: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid

Conditions to avoid: No further relevant information available.

10.5 Incompatible materials

Materials to avoid: No further relevant information available.

10.6 Hazardous decomposition products

Haz. Decomp. products: No dangerous decomposition products known.

11. Toxicological Information

11.1 Information on toxicological effects

LD/LC50 values relevant for classification:

Acute Toxicity

25988-97-0 Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride

Oral	LD50	1,672 mg/kg	rat
Dermal	LD50	> 2000 mg/kg	rabbit

Primary irritant effect:

on the skin: No irritant effect

on the eye: No irritant effect

Sensitization: No sensitizing effects known.

Chronic toxicity No information available

Carcinogenicity No information available

Mutagenicity No information available

12. Ecological Information

12.1 Toxicity

Aquatic Toxicity:

25988-97-0 Polymer of N-Methylmethanamine (EINECS 204-697-4 with (chloromethyl)-oxirane (EINECS 203-439-8) / Polymeric quaternary ammonium chloride

EC50	0.14 mg/l	(daphnia)
LC50	0.077 mg/l	(Oncorhynchus mykiss (Regenbogenforelle))
EC50	0.09 mg/l	(Selenastrum capricornutum (Grünalge))
Remark	very toxic to fish	

12.2 Persistence and degradability

Persistence No further relevant information available.

Degradability Easily biodegradable

12.3 Bioaccumulative potential

Bioaccumulative potential No information available

12.4 Mobility in soil

Mobility in soil No further relevant information available.

12.5 Results of PBT and PvB assessment

PBT and PvB Not applicable

Notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralized.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms

12.6 Other adverse effects No further relevant information available.

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

- 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. Transport Information

14.1 UN Number UN3082

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(N,Ndimethyl-2-hydroxyammonium chloride (polymer)) MARINE POLLUTANT

14.3 Transport hazard class(es)

Class 9 Miscellaneous dangerous substances and articles.
Hazard label 80
Excepted quantities E1
Transport Category 3
Special marking Fish and Tree
LQ 5 litres
EMS No F-A,S-F

14.4 Packaging Group III

14.5 Environmental hazards

Environmentally Hazardous Yes
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.

16. Other information

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

H302 Harmful if swallowed

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-DG:	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 American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

■ Indicates updated section.