

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) 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
Skin Corr. 1B			H314
Acute Tox. 4 *			H302

For the full text of the H statements mentioned in this section see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard Symbol/Category of danger	Risk phrases
Corrosive: C	R34
Harmful: Xn	R22

For the full text of the R phrases 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:

H314: Causes severe skin burns and eye damage
H302: Harmful if swallowed.

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2. Hazard Identification

Precautionary statements:

Prevention	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	
Response	P301+330 + P310 IF SWALLOWED: rinse mouth. Immediately call a poison centre	
	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 continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing	

Additional Labelling:**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.

Chemical Name	CAS No	ENICS No	%
pentapotassium bis(peroxymonosulphate)bis(sulphate)	70693-62-8	274-778-7	75 - 100%
Aluminiumsulfat Octadecahydrat	16828-12-9	233-135-0	2.5 - 10%

4. First Aid measures**4.1 Description of first aid measures**

General Advice:	Take of 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:	No further information
Effects:	No further information

4.3 Indication of immediate medical attention and special treatment needed

Treatment	No information available
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5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water

Unsuitable extinguishing media: Water with full jet

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire fighting: Fire may cause evolution of Sulphur dioxide (SO₂)

5.3 Advice for fire-fighters

Special 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

Methods and materials for containment and 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.

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7. Handling and storage

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage Store only in the original receptacle.

Advice on protection against fire and No further information available

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

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

Hand protection Advice: Gloves
Material Butyl rubber, BR
Unsuitable: Leather

Eye protection Advice: Tightly fitting safety goggles

Skin and body protection
Advice: 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.

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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
Flash point:	not applicable
Evaporation rate:	Currently we do not have any information from our supplier about this.
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
Partition coefficient:n-octanol/water:	Currently we do not have any information from our supplier about this.
Ignition temperature:	not applicable
Thermal decomposition:	Currently we do not have any information from our supplier about this.
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

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

10.2 Chemical stability

Advice: Decomposes before melting

10.3 Possibility of hazardous reactions

Hazardous reactions: Reacts with alkali and metals.
Reacts with acids.
Reacts with 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

Hazardous decomposition products: Sulphur oxides (SO_x)

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

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

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

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

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 (Zebrafisch))

Remark Harmful to fish

12.2 Persistence and degradability

Persistence No further relevant information available.

Degradability No further relevant information available.

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

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and PvB

PBT not applicable

vPvB 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.

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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. Contact waste disposal services.
Contaminated packaging:	Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned is 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	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)	8 (Corrosive Substances)
Class	8 (Corrosive Substances)
Hazard label	80
Excepted quantities	E2
Transport Category	2
Tunnel Code	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.

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16. Other information

Full text of R-phrases referred to under sections 2 and 3

R34	Causes burns
R22:	R22: Harmful if swallowed
R52	Toxic to aquatic organisms

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.

• 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

Revision	Date	By	Amendment
1	27/06/13	Linda Brueford	Created