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## SAFETY DATA SHEET

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### 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product Name: **Oxygen Tablets**  
Datasheet Number: 026 1. 0. 0

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Pool / spa treatment

#### 1.3 Details of the supplier of the safety data sheet

Name of Supplier: Plastica Ltd  
Address of Supplier: Perimeter House  
Napier Road  
St Leonards-on-Sea  
East Sussex TN38 9NY  
United Kingdom  
Telephone: +44 (0) 1424 857857  
Fax:  
Responsible Person:  
Email: info@plasticapools.com

#### 1.4 Emergency telephone number

0800 043 0891 - Technical  
0800 043 0892 - Emergency

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## 2 Hazards identification

### 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Acute Tox. 4, H302
- Skin Corr. 1B, H314
- Eye Dam. 1, H318
- Aquatic Chronic 3, H412
- Classification (67/548/EEC, 1999/45/EC)
- Xn; R22
- C: R34
- R52/53
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

### 2.2 Label elements



- Signal Word: Danger
- Symbols: GHS05, GHS07

## 2 Hazards identification (....)

### Hazard phrases

- Harmful if swallowed.
- Causes severe skin burns and eye damage.
- Harmful to aquatic life with long lasting effects.

### Precautionary Phrases

- Wear protective gloves/protective clothing/eye protection/face protection.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Immediately call a POISON CENTER or doctor/physician.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

## 3 Composition/information on ingredients

### 3.1 Substances

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Pentapotassium bis (peroxymonosulphate) bis(sulphate)	70-80%	70693-62-8	274-778-7	H302, H314 R22, R34, R52/53	GHS05, GHS07 C, Xn
Boric acid REACH No. 01-2119486683-25-XXXX	3-5%	10043-35-3	233-139-2	H360 R60-61	GHS08 Repr. Cat. 2
Potassium persulphate	0.5-1%	7727-21-1	231-781-8	H272, H315, H317 H319, H334, H335 R8, R22, R36/37/38 R42/43	GHS03, GHS07, GHS08 O, Xn

\*See Section 16

## 4 First aid measures

### 4.1 Description of first aid measures

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.
- IF ON SKIN: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Obtain immediate medical attention
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Obtain immediate medical attention

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## 4 First aid measures (....)

### 4 .2 Most important symptoms and effects, both acute and delayed

- Corrosive effects
- Can cause damage to the eyes
- The ingestion of significant quantities may cause breathing difficulty
- The ingestion of significant quantities may cause burning sensation
- Aspiration hazard

### 4 .3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically

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## 5 Fire-fighting measures

### 5 .1 Extinguishing media

- In case of fire: use water, carbon dioxide or dry agent for extinction

### 5 .2 Special hazards arising from the substance or mixture

- See Section 10.6
- Gives off irritating or toxic fumes (or gases) in a fire.

### 5 .3 Advice for firefighters

- Special protective equipment:  
Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

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## 6 Accidental release measures

### 6 .1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

### 6 .2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- Avoid release to the environment.
- Do not allow to penetrate the ground/soil.
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

### 6 .3 Methods and material for containment and cleaning up

- Recover the product where possible
- Collect as much as possible in clean container for reuse or disposal
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Flush spill area with copious amounts of water

### 6 .4 Reference to other sections

- See Section 7 & 8

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## 7 Handling and storage

### 7 .1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid breathing dust/fume/gas/mist/vapours/spray.

## 7 Handling and storage (....)

- Wash thoroughly after handling.
- Always add product to water
- Contaminated work clothing should not be allowed out of the workplace.

### 7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep cool.
- Store in a dry place. Store in a closed container.
- Keep only in original container.
- Keep away from foodstuff.
- Keep/Store away from clothing/.../combustible materials.

### 7.3 Specific end use(s)

- No information available.

## 8 Exposure controls/personal protection

### 8.1 Control parameters

- DNEL (dermal) (CAS 70693-62-8) (Long term, systemic effects) Worker Industry : 20 mg/kg
- DNEL (dermal) (CAS 70693-62-8) (Long term, systemic effects) Consumer : 10 mg/kg
- DNEL (inhalational) (CAS 70693-62-8) (Long term, systemic effects. local effects) Worker Industry : 0.28 mg/m<sup>3</sup>
- DNEL (inhalational) (CAS 70693-62-8) (Long term, systemic effects. local effects) Consumer : 0.14 mg/m<sup>3</sup>
- DNEL (Oral) (CAS 70693-62-8) (Long term, systemic effects) Consumer : 10 mg/kg
- PNEC (CAS 70693-62-8) (Target: Fresh Water) 0.022 mg/l
- PNEC (CAS 70693-62-8) (Target: Marine Water) 0.002 mg/l
- PNEC (CAS 70693-62-8) (Target: Freshwater sediments) 0.017 mg/l
- PNEC (CAS 70693-62-8) (Target: Marine water sediments) 0.00174 mg/kg
- PNEC (CAS 70693-62-8) (Target: Soil, agricultural) 0.885 mg/kg

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

- WEL (long term) 10 mg/m<sup>3</sup>

Potassium persulphate

- WEL (long term) 0.1 mg/m<sup>3</sup>

### 8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation

#### Occupational exposure controls

- In case of inadequate ventilation wear respiratory protection.
- Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard EN 166.
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- Eyewash bottles should be available



Respirator



Goggles



Gloves



Suit

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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: white, tablets
- pH 2-3 at 1 % concentration
- Boiling point - not known
- Vapour pressure - not known
- Vapour density - not known
- Completely soluble in water
- Specific gravity - not applicable
- Non-explosive
- No oxidising properties
- Partition coefficient : n-Octanol/water - not known
- Evaporation rate - not known
- Viscosity - not known

### 9.2 Other information

- No information available

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## 10 Stability and reactivity

### 10.1 Reactivity

- Stable under normal conditions

### 10.2 Chemical stability

- No decomposition if stored normally.
- Stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No dangerous reactions known

### 10.4 Conditions to avoid

- Stable under normal conditions

### 10.5 Incompatible materials

- None

### 10.6 Hazardous Decomposition Products

- Decomposition products may include toxic and irritant fumes

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## 11 Toxicological information

### 11.1 Information on toxicological effects

- LD50 (skin, rat) (pentapotassium) >2000 mg/kg
- LD50 (oral, rat) (pentapotassium) 500 mg/kg
- LC50 (inhalation, rat) (pentapotassium) >5 mg/l/4h
- LD50 (oral, rat) (boric acid) 3500-4100 mg/kg
- LD50 (skin, rabbit) (boric acid) >2000 mg/kg
- LC50 (inhalation, rat) (boric acid) >2.0 mg/l/4h
- Irritation to skin (rabbit) : Corrosive
- Irritation to eyes (rabbit) : Corrosive

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## 11 Toxicological information (....)

### Inhalation

- May cause chronic pneumonitis
- May cause throat irritation
- May cause respiratory tract irritation.

### Contact with skin

- May cause redness and irritation
- Prolonged skin or eye contact may cause chemical burns

### Contact with eyes

- Causes redness and irritation
- Prolonged skin or eye contact may cause chemical burns

### Ingestion

- May cause nausea/vomiting
- May cause stomach pain
- Can cause damage to the digestive system
- Can cause soreness and redness of the mouth and throat.
- May cause burns to mouth and throat
- May cause perforation of the oesophagus and stomach
- The ingestion of significant quantities may cause chemical oedema

### Carcinogenicity

- No information available

### Teratogenicity

- No information available

### Mutagenicity

- No information available

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## 12 Ecological information

### 12 .1 Toxicity

- LC50 (fish) (pentapotassium) 1.09 mg/l (96 hr)
- EC50 (daphnia) (pentapotassium) 3.5 mg/l (48 hr)
- EC50 (algae) (pentapotassium) >1 mg/l (72 hr)
- EC50 (daphnia) (boric acid) 133 mg/l (48 hr)
- LC50 (fish) (boric acid) 74 mg/l (96 hr)

### 12 .2 Persistence and degradability

- No information available

### 12 .3 Bioaccumulation Potential

- No bioaccumulation potential

### 12 .4 Mobility in soil

- No information available

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## 12 Ecological information (....)

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

### 12.6 Other Adverse Effects

- No information available

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## 13 Disposal considerations

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- This material and/or its container must be disposed of as hazardous waste

#### 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.

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## 14 Transport information



Corrosive

14.1 UN Number  
3260

14.2 UN Proper Shipping Name  
CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.  
(pentapotassium bis(peroxymonosulphate) bis(sulphate))

14.3 Transport hazard class(es)  
8

14.4 Packing group  
II

### 14.5 Environmental hazards

- Harmful to aquatic life with long lasting effects.

### 14.6 Special precautions for user

- See Section 7

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

- Not applicable

Other information

