



SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: **Oxy Shock**
Datasheet Number: SP632 1. 0. 0
Product Part Number: SP632
Chemical Name: Potassium peroxymonosulphate
CAS No.: 70693-62-8

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: Total Pool Chemicals Ltd
Address of Supplier: Unit 1, Pool Bank Business Park
High Street, Tarvin
Chester CH3 8JH
UK
Telephone: +44 (0)1829 740290
Fax: +44 (0)1829 741855
Responsible Person: Steve Carder
Email: sales@totalpool.co.uk

1.4 Emergency telephone number

+44 (0)1829 740290 (Office Hours)

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
- Classification (67/548/EEC, 1999/45/EC)
- Xn; R22
- C: R34
- R52
- 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: GHS07, GHS05



2 Hazards identification (....)

Hazard phrases

- Harmful if swallowed.
- Causes severe skin burns and eye damage.

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 exposed or concerned: Get medical advice/attention.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

- None

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols	Index No.
Potassium peroxymonosulphate	100	70693-62-8	274-778-7	H302, H314 R22,R34,R52	GHS07, GHS05 Xn, C	

*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.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- If skin irritation or rash occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Get medical advice/attention.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Give plenty of water to drink
- If medical advice is needed, have product container or label at hand.

4.2 Most important symptoms and effects, both acute and delayed

- Causes severe skin burns and eye damage.
- Causes nausea/vomiting

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically



5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water for extinction

5.2 Special hazards arising from the substance or mixture

- See Section 10.6
- Decomposition products may include sulphur oxides

5.3 Advice for firefighters

- Wear protective clothing as per section 8
- Wear Breathing Apparatus
- Use water to cool containers exposed to fire.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid raising dust
- Wash thoroughly after dealing with spillage
- Wear protective clothing as per section 8

6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Remove by mechanical means
- Place in appropriate container
- Flush spill area with copious amounts of water

6.4 Reference to other sections

- See Section 7 & 8

7 Handling and storage

7.1 Precautions for safe handling

- Avoid raising dust
- Ensure adequate ventilation
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Do not get in eyes, on skin, or on clothing.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.
- Store in a dry place.
- Avoid contact with alkalis (strong bases)
- Exposure to water will cause deterioration of product

7.3 Specific end use(s)

- No information available.



8 Exposure controls/personal protection

8.1 Control parameters

Potassium peroxymonosulphate

- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m³ (8hr TWA) total inhalable dust; 5 mg/m³ (8hr TWA) total respirable dust

8.2 Exposure controls

Occupational exposure controls

- In case of inadequate ventilation wear respiratory protection.
- Wear suitable protective clothing, including eye/face protection and gloves (butyl rubber are recommended)
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection



Respirator



Goggles



Gloves



Suit

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Solid, white
- pH 2-3 at 1 % concentration
- Boiling point - not known
- Vapour pressure <0.0017 Pa at 25 deg C
- Vapour density - not applicable
- Melting point - not applicable
- Water solubility 364 % at 20 °C
- Specific gravity 1.1 g/cm³
- Not flammable
- May accelerate combustion
- Partition coefficient : n-Octanol/water <0.3 log Pow
- Evaporation rate - not known
- Viscosity - not applicable

9.2 Other information

- Bulk density - not known

10 Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- Unstable above 60 deg C

10.3 Possibility of hazardous reactions

- Reacts with water liberating flammable gas



10 Stability and reactivity (....)

10 .4 Conditions to avoid

- Avoid contact with water
- Avoid contact with acids and alkalis
- Avoid contact with combustible material
- Avoid contact with moist air
- Avoid contact with reducing agents
- Keep away from heat and sources of ignition

10 .5 Incompatible materials

- Incompatible with combustible material
- Incompatible with acids and alkalis

10 .6 Hazardous Decomposition Products

- Forms hazardous decomposition products
- Decomposition products may include sulphur oxides
- SADT ca. 90°C

11 Toxicological information

11 .1 Information on toxicological effects

- LD50 (oral, rat) 500 mg/kg
- LC50 (inhalation, rat) 1.85 mg/l/4h
- LD50 (dermal) : 2000 mg/kg

Inhalation

- May cause wheeziness
- May cause inflammation and oedema of the larynx/bronchi

Contact with skin

- Causes blistering of the skin
- Causes burning sensation
- 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
- Can cause damage to the eyes

Ingestion

- Causes nausea/vomiting
- Can cause damage to the digestive system

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No evidence of reproductive effects

Mutagenicity

- Mutagenicity (Ames Test) : Negative



12 Ecological information

12 .1 Toxicity

- IC50 (bacteria) 179 mg/l (18 hr)

12 .2 Persistence and degradability

- No information available

12 .3 Bioaccumulation Potential

- No information available

12 .4 Mobility in soil

- No information available

12 .5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12 .6 Other Adverse Effects

- No information available but must be considered harmful
- Water Hazard Class 1 (Company)

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

- The waste must be identified according to the List of Wastes (2000/532/EC)

14 Transport information



Corrosive

14.1 UN Number

3260

14.2 UN Proper Shipping Name

CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S (potassium monoperoxysulphate)

14.3 Transport hazard class(es)

8

14.4 Packing group

II

14 .5 Environmental hazards

- Presents little or no hazard to the environment



14 Transport information (....)

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

Road/Rail (ADR/RID)

Proper Shipping Name:	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S (potassium monoperoxysulphate)		
ADR UN No.:	3260		
ADR Hazard Class:	8	ADR Packing Group:	II
Tunnel Code:	E		

Sea (IMDG)

Proper Shipping Name:	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S (potassium monoperoxysulphate)		
IMDG UN No.:	3260		
IMDG Hazard Class.:	8	IMDG Pack Group.:	II

Air (ICAO/IATA)

Proper Shipping Name:	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S (potassium monoperoxysulphate)		
ICAO Un No.:	3260		
ICAO Hazard Class.:	8	ICAO Packing Group.:	II

15 Regulatory information

15 .1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Refer to current CPL Regulations
- Refer to current EC Directive 82/501/EEC (the Seveso Directive)
- The List of Wastes (England) Regulations 2005 apply in the UK

15 .2 Chemical Safety Assessment

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H302: Harmful if swallowed.; H314: Causes severe skin burns and eye damage.; R22: Harmful if swallowed; R34: Causes burns; R52: Harmful to aquatic organisms.

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.