

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

- **Trade Name:** Non Chlorine Shock
- **Other names** Potassium Peroxymonosulphate, Caroat
- **Intended use of chemical** Pool and spa non-chlorine oxidiser
- **Manufacturer/Supplier** Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS  
Tel: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083
- **Contact E-mail for advice** E-mail: [sales@cpc-chemicals.co.uk](mailto:sales@cpc-chemicals.co.uk)
- **Emergency Telephone** Tel: +44 (0) 8712 229081 (office hours)

### 2. Hazard Identification



C: Corrosive

- **Hazard Information concerning particular hazards for human and the environment**

- R22 Harmful if swallowed.
- R34 Causes burns
- R52 Harmful to aquatic organisms

- **GHS label elements**

**Danger**



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

- **Prevention**

- P102: Keep out of reach of children
- P273: Avoid release to the environment.
- P260: Do not breathe dust

- **Response**

- P303+P361+P353 IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower
- P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

- **Storage**

- P402: Store in a dry place.

- **Disposal**

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

### 3. Composition/information on ingredients

- **Chemical characterization:** Potassium Peroxymonosulphate bis(sulphate)
- **CAS No. Description** 70693-62-8
- **EINECS Number:** 274-778-7
- **EU Number:**

#### 4. First Aid measures

- **After inhalation:** Remove person to fresh air and seek professional medical attention immediately
- **After skin contact:** Wash off immediately with soap and water. Obtain medical attention
- **After eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **After Ingestion:** Clean mouth with water and drink afterwards plenty of water. If a person vomits when lying on his back, place him in the recovery position. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label

#### 5. Fire fighting measures

- **Special extinguishing media:** Water
- **Special exposure hazards in fire:**  
In case of fire Sulphur dioxide (SO<sub>2</sub>) may be released  
Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses
- **Special protective equipment:**  
Wear self-contained respiratory protective device  
Wear fully protective suit
- **Additional Information:**  
Collect contaminated firewater separately. It must not enter the sewage system

#### 6. Accidental release Measures

- **Personal Protection**  
Use appropriate personal protective equipment as detailed in section 8.  
Avoid formation of dust
- **Environmental Protection**  
Should not be released into the environment. Do not contaminate water. Do not allow material to contaminate ground water systems. If the product contaminates rivers and lakes or drains inform respective authorities
- **Methods for cleaning:**  
Dilute with plenty of water  
Use neutralizing agent  
Dispose contaminated material as waste according to item 13  
Ensure adequate ventilation

#### 7. Handling and storage

- **Handling**
- **Information for safe handling:**  
Keep containers tightly sealed  
Do not refill residue into storage receptacles  
Thorough dedusting

## 7. Handling and storage

- **Information about fire and explosion protection:**

No special measures required

- **Storage**

Store only in original containers

Store away from flammable substances

- **Further information about storage**

Protect from humidity and water

Protect from contamination

Keep container tightly sealed

## 8. Exposure control/personal protection

- **Exposure control limits and source:**

- **Exposure control limits:**

No value assigned for this product

- **Additional Information**

The lists valid during the making were used as basis

- **Personal Protective Equipment**

**General protective and hygienic measures**

~ Keep away from all foodstuffs, beverages and feed.

~ Immediately remove all soiled and contaminated clothing.

~ Wash hands before break and at the end of work.

~ Avoid contact with eyes and skin

- **Respiratory Protection**

~ Use suitable respiratory protective device when high concentrations are present.

- **Hand Protection**



Protective Gloves

**Material of gloves**

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

**Material not suitable for gloves:**

Leather and strong material gloves

**Penetration time of glove material**

~ The exact breakthrough time has to be found by the manufacturer of the protective gloves and has to be observed.

- **Eye Protection**



Tightly sealed goggles

- **Body Protection**

Protective work clothing

### 9. Physical and chemical properties

- **General Information**

**Form:** Solid  
**Colour:** Whitish  
**Odour:** None

- **Change in condition**

**Melting Point:** Undetermined  
**Boiling Point:** Undetermined

- **Flammability:** Product is not flammable
- **Decomposition temperature:** 70°C
- **Self Igniting:**
- **Danger of explosion** Product does not present an explosion hazard
- **Density at 20°C** Not determined
- **Solubility in water** Soluble
- **pH value (10g/l) at 20°C** 2.3
- **Solvent content**
  - Organic Solvents:** 0.0%
- **Solids content** 100.00%

### 10. Stability and reactivity

- **Conditions to avoid** Keep away from heat and sources of ignition. Decomposition possible at temperatures above approximately 80 °C. Protect from moisture.
- **Materials to avoid** Accelerators, strong acids and bases, heavy metal salts, reduction mediums. Avoid impurities (e.g. rust, dust, ash), risk of decomposition.
- **Hazardous decomposition products** Build up of dangerous/toxic fumes possible in cases of fire/high temperature.

### 11. Toxicological Information

- **Inhalation** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
- **Ingestion** Harmful if swallowed
- **Skin** Causes burns. May be harmful if absorbed through the skin.
- **Eyes** Causes burns. May be harmful if absorbed through the skin.
- **Acute Toxicity**

LD50 (Oral rat)	1.000-2.000 mg/kg
LC50 (Inhalation rat)	>5 mg/l (4 hr)
LD50 (Dermal rabbit)	>11.000 mg/kg

**12. Ecological Information**

- **Mobility** Readily biodegrades.
- **General 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 underutilized

**13. Disposal Considerations**

- **Substance** Dispose of any remaining product via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
- **Container** Dispose of any chemically contaminated containers in a similar way

**14. Transport Information**• **Land Transport ADR/RID (cross border)**

- **ADR/RID class** 8
- **U N No** UN3260
- **Packing group** II
- **Hazard label** 8
- **Proper shipping name** Corrosive solid, acidic, inorganic, N.O.S. (potassium peroxymonosulphate)
- **Transport category** 2
- **Tunnel code** E

• **Maritime Transport IMDG**

- **IMDG class** 8
- **U N No** UN3260
- **Hazard label** 88
- **Packing group** II
- **EMS Number** F-A-S-Q
- **Marine Pollutant** No
- **Proper shipping name** Corrosive solid, acidic, inorganic, N.O.S. (potassium peroxymonosulphate)

• **Air Transport ICAO-TI and IATA-DGR**

- **ICAO/IATA class** 8
- **U N No** UN3260
- **Hazard label** 88
- **Packing group** II
- **Proper shipping name** Corrosive solid, acidic, inorganic, N.O.S. (potassium peroxymonosulphate)
- **U N No** UN3260

**15. Regulatory information**

• <b>Product Name</b>	Non – Chlorine Shock	
• <b>Symbol</b>	C,	
• <b>Indications of danger</b>	Corrosive,	
• <b>Risk phrases</b>	R22	Harmful if swallowed.
	R34	Causes burns.
	R52	Harmful to aquatic organisms
• <b>Safety phrases</b>	S1/2	Keep locked up and out of the reach of children.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately. Show label where possible.
<b>EC No. (if applicable):</b>	274-778-7	

**16. Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**• Relevant R Phrases:**

R/22	Harmful if swallowed
R34	Causes burns

**• Abbreviations and acronyms:**

ADR:	Accord European sur le transport des marchandises dangereuse par Route (European Agreement
RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer
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
ICAO-TI:	Technical Instructions by the 'International Civil Aviation Organization' (ICAO)
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	21.10.10	Linda Brueford	Packing Group changed. GHS label elements added and other minor editorial amendments