

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

- **Trade Name:** Non Chlorine Shock
- **Other names** Potassium Peroxymonosulphate, Caroot
- **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

2. Composition/information on ingredients

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

3. Hazard Identification



C: Corrosive

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

R22	Harmful if swallowed.
R34	Causes burns

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

Trade Name: Non Chlorine Shock**5. Fire fighting measures**

- **Special extinguishing media:** Use water spray, alcohol-resistant foam or carbon dioxide
- **Unsuitable extinguishing media:** High volume water jet.
- **Special exposure hazards in fire:** 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 full protective clothing and self contained breathing apparatus (SCBA)

6. Accidental release Measures

- **Personal Protection** Use appropriate personal protective equipment as detailed in section 8.
- **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:** Remove mechanically and with care (e.g. with clean polyethylene plastic shovel). Avoid dust formation. Wash small residues with plenty of water

7. Handling and storage

- **Personal Protection** Product is hygroscopic. Never pour product residue back into storage container. Risk of decomposition. Avoid dust formation.
- **Storage** Avoid impurities (e.g. rust, dust, ash), risk of decomposition. Protect from moisture. Store apart from other dangerous and incompatible substances. Store below 30 °C.

Trade Name: Non Chlorine Shock**8. Exposure control/personal protection**

- **Exposure control limits and source:**

Exposure Limits	8 hr TWA	Authority
As total dust	10 mgm ⁻³	EH40
As respirable dust	4 mgm ⁻³	



- **Hand Protection**

Wear chemical resistant gloves when handling this product.

Glove thickness 0.5 mm

Breakthrough time >= 8hrs

- **Respiratory Protection**

If dust occurs wear respiratory protective equipment with P2 particle cartridge filter.

- **Eye Protection**

Wear appropriate safety goggles



- **Skin Protection**

Wear protective suit and wash contaminated clothing before re-use. Skin should be washed after contact.

9. Physical and chemical properties

- **Appearance at 20oC** White Solid
- **Odour** None
- **Bulk density** 1.1 g/cm³
- **pH (conc)** Approx. 2.0 in 1 % water
- **Melting Point** Decomposes before melting
- **Solubility in water** 250 g/l in water @ 20 °C

10. Stability and reactivity

- **Conditions to avoid** Keep away from heat and sources of ignition. 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.

Trade Name: Non Chlorine Shock**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.
- **Eotoxicity**

Toxicity to fish:	LC50	32-56 mg/l (96 hr)
Toxicity to : EC50		>1 mg/l
Toxicity to : EC50 (Daphnia)		5.3 mg/l (24 hr)

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

- **U N No** UN3260
- **Proper shipping name** Corrosive solid, acidic, inorganic, N.O.S. (potassium peroxymonosulphate)
- **Class/division** 8
- **Packing group** III
- **Hazard I D No** 88
- **EAC** 2X

Trade Name: Non Chlorine Shock

15. Regulatory information

• Product Name	Non – Chlorine Shock	
• Symbol	C, Xn	
• Indications of danger	Corrosive, Harmful	
• Risk phrases	R22	Harmful if swallowed.
	R34	Causes burns.
• Safety phrases	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.
EC No. (if applicable):	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.

