

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

- **Trade Name:** Rapid Shock
- **Other names** Quick Dissolving Calcium Hypochlorite
- **Intended use of chemical** Pool and spa shock/water sanitiser.
- **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:**
- **CAS No. Description** 7778-54-3 Calcium Hypochlorite
- **EINECS Number:** 231-908-7
- **EU Number:**

3. Hazard Identification



C: Corrosive



O: Oxidising



N: Dangerous for the environment

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

- R 8 Contact with combustible material may cause fire.
- R 22 Harmful if swallowed.
- R 31 Contact with acids liberates toxic gas.
- R 34 Causes burns.
- R 50 Very toxic to aquatic organisms

4. First Aid measures

- **General Advice:** Show this safety data sheet to the doctor in attendance. Remove from exposure, lie down.
- **After inhalation:** Move to fresh air. Call doctor immediately. Oxygen or artificial respiration if needed.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly. If irritation persists, call physician.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor. Keep eye wide open while rinsing.
- **After Ingestion:** Remove from exposure, lie down. Call for a doctor immediately. Do not induce vomiting. If victim is conscious give plenty of water.
- **Note to Physician:** Inhalation of vapours high in concentration may cause shortness of breath (lung oedema). Symptoms may be delayed
- **Protection of First Aiders:** Avoid contact with skin, eyes and clothing

Trade Name: Rapid Shock**5. Fire fighting measures**

- **Special extinguishing media:** Water only
- **Unsuitable extinguishing media:** Dry Powder, foam, sand halons.
- **Hazardous Decomposition products** Oxygen, chlorine
- **Special protective equipment:** Wear self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

6. Accidental release Measures

- **Personal Protection** Risk of violent reaction, risk of ignition. Ensure adequate ventilation. Remove all sources of ignition. Wear protective equipment. Keep unprotected persons away.
- **Environmental Protection** Keep away from living quarters
- **Methods for cleaning:** Use neutralizing agent. Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents

7. Handling and storage

- **Measures/precautions:** Handle an open container with care. Use only in an area provided with appropriate exhaust ventilation.
- **Safe Handling Advice** Wear personal protective equipment. Open drum carefully as content may be under pressure.
- **Storage** Keep away from combustible material. Keep tightly closed in a dry, cool and well ventilated place. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

Trade Name: Rapid Shock
8. Exposure control/personal protection

- **Measures to reduce Exposure:** Ensure adequate ventilation, especially in confined areas.
- **Control Parameters:** PPG IPEL 1mg/m³ 8h TWA 2mg/m³ STEL OSHA PEL none. ACGIH PEL none
- **Respiratory Protection** Respirator must be worn if exposed to dust 
- **Hand Protection** Impervious butyl rubber gloves
- **Eye Protection** Tightly fitting safety goggles 
- **Hygiene Measures:** When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Regular cleaning of equipment, work area and clothing.

9. Physical and chemical properties

- **Appearance at 20oC** White Granular
- **Odour** Chlorinous
- **pH (conc)** Alkaline
- **Melting Point** Not Applicable
- **Flash Point** Not applicable.
- **Decomposition temperature** 180°C
- **Solubility in water** 217 g/l @ 27°C

10. Stability and reactivity

- **Stability** Decomposes on heating (180°C)
- **Conditions to avoid** Contact with combustible material may cause fire.
- **Materials to avoid** Acids, Ammonia, reducing agents, organic materials
- **Hazardous decomposition products** Oxygen and chlorine

Trade Name: Rapid Shock**11. Toxicological Information**

- **Ingestion** Very toxic if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts.
- **Skin** Caustic effect on skin and mucous membranes.
- **Inhalation** Inhaled corrosive substances can lead to a toxic oedema of the lungs (Symptoms may be delayed)
- **Eyes** Strong caustic effect.
- **Toxicity** **7778-54-3 calcium hypochlorite**
LC50/inhalation/1h/rat>3.5mg/l
LC50/dermal/rabbit >1000mg/kg
- **Long Term Toxicity** Avoid repeated exposure

12. Ecological Information

- **Mobility** Soluble
- **Bioaccumulation** No information available
- **Ecotoxicity** Very toxic for aquatic organisms

13. Disposal Considerations

- **Substance** Must not be disposed together with household garbage. Must undergo special treatment (neutralise) e.g. at a suitable disposal site, to comply with local regulations.
- **Container** Clean container with water. Empty containers should be taken to local recycling, recovery or waste disposal. Disposal must be made according to official regulations

14. Transport Information

- **U N No** 2880
- **Proper shipping name** Calcium Hypochlorite hydrated mixture
- **Class/division** 5.1
- **Packing group** II
- **Hazard I D No** 50

Trade Name: Rapid Shock

15. Regulatory information

• Product Name	Calcium Hypochlorite	
• Symbol	Corrosive, Oxidising, Dangerous for the Environment	
• Indications of danger		
• Risk phrases	R 8	Contact with combustible material may cause fire.
	R 22	Harmful if swallowed.
	R 31	Contact with acids liberates toxic gas.
	R 34	Causes burns.
	R 50	Very toxic to aquatic organisms
• Safety phrases	S1/2	Keep locked up and out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S26	Wear suitable protective clothing, gloves and eye/face protection.
	S36/37/39	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S45	Avoid release to the environment. Refer to special instructions/safety data sheets
	S61	

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.

