

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

- **Trade Name:** Shock 'n' Flocc - Multi-Functional Shock Chlorine
- **Other names** Calcium Hypochlorite Blend (Class 8)
- **Intended use of chemical** Swimming pool shock, disinfectant and clarifier.
- **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:**

- **Chemical characterization:**
- **CAS No. Description** 10101-89-0 Trisodium Phosphate
- **EINECS Number:** N/A
- **EU Number:**

3. Hazard Identification

Causes burns. Harmful if swallowed. Irritating to respiratory system. Avoid breathing dust and fumes. Dangerous to the environment



O, Oxidising



C, Corrosive



N, Dangerous for environment

4. First Aid measures

- **After inhalation:** If inhaled, remove individual to fresh air. If breathing is difficult, have a trained person administer oxygen. Seek medical attention immediately.
- **After skin contact:** If contact with skin occurs, wash off excess chemical with soap and flush with cool water for at least 15 minutes. If skin irritation persists, seek immediate medical attention.
- **After eye contact:** Immediately flush contaminated eyes with water for at least 20 minutes, holding eyelid(s) open. Seek immediate medical attention.
- **After Ingestion:** If swallowed, drink large amounts of water. **DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Seek medical attention immediately.

Probable mucosal damage may contraindicate the use of gastric lavage
When seeking medical attention, always show the product label.

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5. Fire fighting measures

- **Special extinguishing media:** Water fog. (**do not** use dry powder or foam)
- **Special exposure hazards in fire:** Liberates oxygen, chlorine and chlorine monoxide at higher temperatures.
- **Special protective equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental release Measures

- **Personal Protection** Use appropriate personal protective equipment as detailed in section 8.
- **Methods for cleaning:** Ensure adequate ventilation. Do NOT add water to spilled material. Remove sources of ignition. Contain the spillage. Sweep up the spill and place in clean, dry plastic containers including any contaminated soil. Dispose of product in accordance with relevant local and national waste disposal legislation.

7. Handling and storage

- **Personal Protection** Open drums carefully. (pressure in drums) **DO NOT MIX WITH OTHER CHEMICALS.** Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment.
- **Storage** Keep this product in original, sealed container when not in use. Store in a cool, dry, well-ventilated area. Keep away from heat and direct sunlight. Keep this product and all other chemicals out of reach of children.

8. Exposure control/personal protection

Exposure Limit	8 hr TWA		15 min STEL		Authority
	ppm	mgm ⁻³	ppm	mgm ⁻³	
Chlorine		0.5	1.5	1	2.9 EH40



General room ventilation plus local exhaust should be used to minimise exposure. Remove and wash contaminated clothing before reuse.

- **Hand Protection** Wear suitable protective clothing to prevent contact with the skin.
- **Skin Protection** Wear suitable protective clothing to prevent contact with the skin.
- **Eye Protection** Wear appropriate safety goggles
- **Respiratory Protection** Where dust emissions are possible, respiratory protection must be used.



Trade Name: Shock 'n' Flocc**9. Physical and chemical properties**

Physical State:	Solid
Odour:	Chlorine
Appearance:	Granules
Colour:	White
Solubility in Water:	180g/l
Relative density:	0.97 gm/cm ³ (granules)
pH:	8.95 (5% soln)
Thermal Decomposition:	>100°C

10. Stability and reactivity

- **Conditions to avoid** High temperature. Poor ventilation. Contamination, Moisture and high humidity
- **Materials to avoid** Acids, ammonia, reducing agents, organic materials.
- **Hazardous decomposition products** Oxygen, Chlorine and chlorine monoxide at higher temperatures.

11. Toxicological Information

- **Inhalation**
- **Ingestion**
- **Skin** This product is corrosive.
- **Eyes** This product is corrosive.
- **Toxicity** Dermal LD50: >2000 mg/kg of body weight in rabbits. Oral LD50: 1195mg/kg of body weight in rats

This product is not listed as a carcinogen.

12. Ecological Information

This product is toxic to fish and aquatic organisms.
Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans or other bodies of water without consulting local Authority/Water Board. Keep product from entering waterways and watersheds.

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13. Disposal Considerations

- **Substance** **DO NOT** mix product, spilled product or filled or partially filled containers with combustible materials. Contact with incompatible materials could cause a reaction or fire. Disposal of unused, uncontaminated product is regulated according to local and national regulations.
- **Container** **DO NOT** re-use container. Rinse thoroughly before discarding.

14. Transport Information

UN No.:	UN1759
Proper shipping name (PSN), including any technical name:	Corrosive Solids, N. O. S. (calcium hypochlorite mixture).
Class/Division:	8
Packing Group (if any):	II
Hazard ID No.:	80
EAC:	2W
Marine Pollutant:	May be considered a marine pollutant

15. Regulatory information

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| • Product Name | Quick Shock Plus | |
| • Symbol | C; N | |
| • Indications of danger | Corrosive; Dangerous to the environment. | |
| • Risk phrases | R22 | Harmful if swallowed |
| | R31 | Contact with acids liberates toxic gas. |
| | R34 | Causes burns. |
| | R37 | Irritating to respiratory system |
| | R50 | Very toxic to aquatic organisms. |
| • Safety phrases | S1/2 | Keep locked up and out of the reach of children |
| | S24/25 | Avoid contact with skin and eyes |
| | S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. |
| | S27/28 | After contact with skin, take off immediately all contaminated clothing and wash with plenty of water. |
| | 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 the label where possible). |
| | S29/56 | Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point. |

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16. Other information

Risk phrases:	R8	Contact with combustible materials may cause fire.
	R22	Harmful if swallowed
	R31	Contact with acids liberates toxic gas.
	R34	Causes burns.
	R36/37/38	Irritating to eyes, respiratory system and skin
	R50	Very toxic to aquatic organisms.

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.

