

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

- **Trade Name:** Calcium Chloride
- **Other names**
- **Intended use of chemical** To increase calcium hardness levels in water
- **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** 10043-52-4 Calcium cl 10043 - 01 - 3
- **EC Number:** 233-140-8

3. Hazard Identification

- **Hazard description**



Xi: Irritant

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

R36/37/38 Irritating to eyes, respiratory systems and skin.

4. First Aid measures

- **After inhalation:** Remove person to fresh air and seek professional medical attention. If breathing difficulties allow a trained person to administer oxygen.
- **After skin contact:** Immediately remove contaminated clothing and wash affected area thoroughly with soap and water. Seek medical attention if skin appears damaged
- **After eye contact:** Wash out eye with plenty of water for at least 15 minutes and seek medical attention
- **After Ingestion:** Rinse mouth out thoroughly with water, give plenty of water to drink and obtain medical attention immediately

Trade Name:	Spa Hardness Plus
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5. Fire fighting measures

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| • Special extinguishing media: | Water Fog |
| • Special exposure hazards in fire: | Emits toxic fumes under fire conditions. |
| • Special protective equipment: | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |

6. Accidental release Measures

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| • Personal Protection | Use appropriate personal protective equipment as detailed in section 8. |
| • Environmental Protection | Do not let product enter drains, contain the material and sweep up. |
| • Methods for cleaning: | Contain the spillage as soon as possible. (Product absorbs water). 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

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| • Personal Protection | Mix only with water. Always add small quantities of product to water. DO NOT add water to product. Ensure all dispensing devices are clean and free from other chemicals. |
| • Storage | Keep product in supplied container when not in use and replace lid after use to prevent absorption of moisture. Store in cool dry conditions |

Trade Name: Spa Hardness Plus

8. Exposure control/personal protection

- Exposure control limits and source:

Aluminium Sulphate

8 hr TWA
ppm mg/m³
10
4



- Respiratory Protection

Avoid formation of dusts. Use respiratory protection for general dust inhalation

- Hand Protection

Wear suitable chemical resistant gloves



- Eye Protection

Safety goggles or glasses with side shields. Have equipment for eye rinsing available

- Skin Protection

Wear appropriate chemical apron to prevent skin contact

9. Physical and chemical properties

- Appearance at 20oC: White or off white Flakes or prilled material
- Odour: None
- Specific gravity at 20oC: 0.85 gm/cm³
- pH (conc): (30% Soln) Approx 9.0
- Solubility in water: 52g/100g water

10. Stability and reactivity

- Conditions to avoid: High temperature. Poor ventilation. Contamination
- Materials to avoid: Other swimming pool/spa chemicals in their concentrated forms.
- Hazardous decomposition products: Hydrogen chloride gas, Calcium Oxide.

Trade Name:	Spa Hardness Plus
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11. Toxicological Information

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| • Inhalation | Irritation. Chronic effect – ulceration of nasal mucosa |
| • Ingestion | Slight irritation of mouth and throat. Systemic effects |
| • Skin and eyes | Severe irritation and redness. Irritation and redness. Prolonged contact may cause dermatitis. |
| • Eyes | Causes severe eye irritation. |
| • Toxicity | Oral LD50, rat: > 1300 mg/kg
This product is not listed as a carcinogen |

12. Ecological Information

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| • Mobility | This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds. |
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13. Disposal Considerations

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| • Substance | DO NOT put product, spilled product or filled or partially filled containers into the Waste. Contact with incompatible materials could cause a reaction or fire. Disposal of unused, uncontaminated product is regulated according to municipal provincial and federal regulations. |
| • Container | DO NOT re-use container. Rinse thoroughly before discarding |

14. Transport Information

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| • Classification | Not regulated |
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Trade Name: Aluminium Sulphate**15. Regulatory information**

• Product Name	Spa Hardness Plus	
• Symbol	Xi	
• Indications of danger	Irritant	
• Risk phrases	R36	Irritating to eyes and skin.
• Safety phrases	S1/2	Keep locked up and out of reach of children.
	S22	Do not breathe dust.
	S24	Avoid contact with skin.
	S37/39	Wear suitable gloves and eye/face protection.
• EC No	233-140-8	

NOTE: THIS DATA SHEETS DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION

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.

