

SAFETY DATA SHEET
Revision 5

Calcium Hardness / Spa Hardness Plus

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

- 1.1 Product Identifier** Calcium Hardness / Spa Hardness Plus
- 1.2 Relevant Identified uses of the substance or mixture and uses advised against**
Uses: Preparation of swimming pool water
- 1.3 Details of the supplier of the safety data sheet**
Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS
- Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083
E-mail: sales@cpc-chemicals.co.uk
- 1.4 Emergency Telephone**
Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Eye Irrit	Category 2		H319

For the full text of the H statements mentioned in this section see Section 16.

Most important adverse effects

Human Health: See section 11 for toxicological information
Physical & Chemical Hazards: See section 9 for physicochemical information
Potential environmental effects: See section 12 for environmental information


2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard statements: H319 Causes serious eye irritation

Signal word: Warning

Hazard pictograms: GHS07

Hazard symbols: 

Precautionary statements: P102 Keep out of reach of children
P260 Do not breathe dust
P262 Wear suitable gloves
P305+351+338: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P501: Dispose of contents/container in accordance with national regulations.

Hazardous components which must be listed on the label Calcium Chloride

2.3 Other Hazards No other information is available.

Trade Name:	Calcium Hardness
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3. Composition/information on ingredients

3.1 Substance

Chemical Name	CAS-No.	EC-No.	Index No	%	H/R Phrases
Calcium Chloride	10043-52-4	233-140-8	017-013-00-2	77	H319

4. First Aid measures

4.1 Description of first aid measures

General Advice:	Take off all contaminated clothing immediately.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF ON SKIN (OR HAIR)	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF SWALLOWED	rinse mouth. Do NOT induce vomiting
IF exposed or concerned:	Get medical advice/attention If medical advice is needed, have product container or label at hand.

4.2 Most important symptoms and effects, both acute and delayed

Causes irritation

Symptoms:	See Section 11 for more detailed information on health effects and symptoms
Effects:	See Section 11 for more detailed information on health effects and symptoms

4.3 Indication of immediate medical attention and special treatment needed

Treat Symptomatically.

5. Fire fighting measures

5.1 Suitable extinguishing media

Extinguishing media: In case of fire: use water, carbon dioxide or dry agent for extinction

5.2 Special hazards arising from the substance or mixture

Exposure hazards: No information available

5.3 Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation.
Avoid contact with skin and eyes.

6.2 Environmental precautions

Environmental precautions: Do not allow product to reach sewage system or water bodies.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling: Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory protection. If ingested, seek medical advice immediately and show the container or label. Avoid contact with skin and eyes.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities.

Storage : Store in original container

Fire and explosion: No special measures required

7.2 Conditions for safe storage, including any incompatibilities.

Storage conditions: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Common storage: Keep away from food, drink and animal feeding stuffs.

7.3 Specific end uses No information is available.**8. Exposure control/personal protection**

8.1 Control parameters None assigned

8.2 Exposure controls

Engineering measures The undiluted product must not be used in a confined space without good ventilation

Personal protective equipment

Respiratory protection In case of inadequate ventilation wear respiratory protection

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection Wear safety glasses approved to standard EN 166.

Skin protection Wear appropriate clothing to prevent repeated or prolonged skin contact

Environmental exposure controls Dispose of in accordance with all applicable local and national regulations.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form: Granular

Colour: White

Odour: Odourless

pH @ 20°C: 8 - 9

Boiling point/boiling range: 1600°C

Melting Point 29.92°C

Flash point: 772°C

Water solubility: Fully soluble

Explosive properties: Product is not explosive.

9.2 Other Information No further information

10. Stability and reactivity**10.1 Reactivity**

Reactivity No information available

10.2 Chemical stability

Chemical stability No decomposition if stored normally

10.3 Possibility of hazardous reactions

Hazardous reactions: No information available

10.4 Conditions to avoid

Conditions to avoid Avoid formation of dust. Keep away from heat and moisture.

10.5 Incompatible materials

Materials to avoid No information available

10.6 Hazardous decomposition products

Haz. decomp. products: Stable under normal conditions

11. Toxicological Information**11.1 Information on toxicological effects****Primary Irritant effect**

On the skin: No irritant effect

On the eye: Causes severe irritation. Causes pain. In cases of severe exposure, redness and swelling may develop

Carcinogenic There is no evidence that this substance has any carcinogenic properties.**Mutagenic** There is no evidence that this substance is mutagenic**Sensitization:** No sensitizing effects known**Additional toxicological information:****If ingested** The ingestion of significant quantities may cause nausea/vomiting**If inhaled** May cause respiratory tract irritation. May cause coughing**12. Ecological Information****12.1 Toxicity**

Toxicity No information available

12.2 Persistence and degradability

Persistence and degradability No data available

12.3 Bioaccumulative potential

Bioaccumulative potential No data available

12.4 Mobility in soil

Mobility in soil No data available

12.5 Results of PBT and PvB :

PBT and PvB : Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Trade Name: Calcium Hardness

13. Disposal Considerations

13.1 Waste treatment methods

Disposal should be in accordance with local, state or national legislation
Do not reuse empty containers without commercial cleaning or reconditioning
Do not discharge into drains or the environment, dispose to an authorised waste collection point

Classification

Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority

14. Transport Information

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Clean up even minor leaks or spills if possible without unnecessary risk
14.6 Special precautions for user	See Section 7
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

Guidance Notes

This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

15.2 Chemical Safety Assessment No information available

16. Other information

Full text of H-statements referred to under sections 2 and 3

H319 Causes serious eye irritation

Full text of P-statements referred to under sections 2 and 3

P102 Keep out of reach of children

P260 Do not breathe dust

P262 Wear suitable gloves

P305+351+338: Rinse continuously with water for several minutes. Remove

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

█ Indicates updated section.

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