

Revision 15/11/2013

SAFETY DATA SHEET

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

1.1 Product Identifier Chemical: Spafresh Hardness Increaser
 Weight 1kg
 Code SFHI/6

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.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Hazard Symbol/Category of danger	Risk phrases
Irritant	R36

For the full text of the R phrases 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 toxicological information.
Potential environmental effects:	See section 12 for toxicological information.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

Hazard symbols:



Signal word:

Warning

Hazard statements:

H319 Causes serious eye irritation

Precautionary statements:

P102 Keep out of reach of children

P260 Do not breathe dust

P262 Wear suitable gloves

P305+351+338: contact lenses if present and easy to do – continue rinsing

Hazardous components which must be listed on the label

Calcium Chloride

2.3 Other Hazards

No other information is available.

Trade Name: Spafresh Hardness Increaser

3. Composition/information on ingredients

3.1 Mixtures

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, R36

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

4.3 Indication of immediate medical attention and special treatment needed Treat Symptomatically.

5. Fire fighting measures

5.1 Extinguishing media:

Suitable 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 No information available

5.3 Advice for fire-fighters Wear appropriate body protection (full protective suit).

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 and materials for containment and 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.

Requirements for storage :

Store in original container

Advice on protection against fire and

No special measures required

7.2 Conditions for safe storage, including any incompatibilities.

Further information on storage

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

Advice on 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 and body 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

Trade Name: Spafresh Hardness Increaser

10. Stability and reactivity

10.1 Reactivity	No information available
10.2 Chemical stability	No decomposition if stored normally
10.3 Possibility of hazardous reactions	No information available
10.4 Conditions to avoid	Avoid formation of dust. Keep away from heat and moisture.
10.5 Incompatible materials	No information available
10.6 Hazardous decomposition 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	No information available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of 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

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

Trade Name: Spafresh Hardness Increaser

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 R-phrases referred to under sections 2 and 3
R36 Risk of serious damage to eyes

Full text of H-statements referred to under sections 2 and 3
H319 Causes serious eye irritation

Further information

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

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.

• Abbreviations and acronyms:

ADR:	Accord européen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR	Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Revision	Date	By	Amendment
1	08/03/2007	Linda Brueford	Created
2	07/06/2011	Linda Brueford	Updated to latest legislation; GHS label elements added and other minor
3	06/12/12	Linda Brueford	Sections: 9/ 11 / 12 / 15 and other minor editorial amendments
4	15/11/13	Chemregs	Minor editorial amendments