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## SAFETY DATA SHEET

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### 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product Name: **Calcium Builder**  
Datasheet Number: SP232 1. 0. 0  
Product Part Number: SP232  
Chemical Name: Calcium chloride  
Index Number: 017-013-00-2  
CAS No.: 10043-52-4

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Pool / spa treatment

#### 1.3 Details of the supplier of the safety data sheet

Name of Supplier: Total Pool Chemicals Ltd  
Address of Supplier: Unit 1, Pool Bank Business Park  
High Street, Tarvin  
Chester CH3 8JH  
UK  
Telephone: +44 (0)1829 740290  
Fax: +44 (0)1829 741855  
Responsible Person: Steve Carder  
Email: sales@totalpool.co.uk

#### 1.4 Emergency telephone number

+44 (0)1829 740290 (Office Hours)

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## 2 Hazards identification

### 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Eye Irrit. 2, H319
- Classification (67/548/EEC, 1999/45/EC)
- Xi; R36
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

### 2.2 Label elements



- Signal Word: Warning
- Symbols: GHS07

#### Hazard phrases

- Causes serious eye irritation.



## 2 Hazards identification (....)

### Precautionary Phrases

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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.
- Store in a dry place.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

- Mildly irritating to skin

## 3 Composition/information on ingredients

### 3.1 Substances

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols	Index No.
calcium chloride	>99	10043-52-4	233-140-8	H319, R36	GHS07, Xi	017-013-00-2

\*See Section 16

## 4 First aid measures

### 4.1 Description of first aid measures

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

### 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

- This product is not flammable
- In case of fire: use water, carbon dioxide or dry agent for extinction

### 5.2 Special hazards arising from the substance or mixture

- See Section 10.6
- Causes serious eye irritation.



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## 5 Fire-fighting measures (....)

### 5.3 Advice for firefighters

- Wear protective clothing as per section 8
- Wear Breathing Apparatus

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## 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Avoid raising dust

### 6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- Avoid scattering in the environment

### 6.3 Methods and material for containment and cleaning up

- Remove by mechanical means
- Place in appropriate container

### 6.4 Reference to other sections

- See Section 7 & 8

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## 7 Handling and storage

### 7.1 Precautions for safe handling

- Avoid raising dust
- Ensure adequate ventilation
- Avoid breathing dust/fume/gas/mist/vapours/spray.

### 7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.
- Store in a dry place.

### 7.3 Specific end use(s)

- No information available.

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## 8 Exposure controls/personal protection

### 8.1 Control parameters

calcium chloride

- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m<sup>3</sup> (8hr TWA) total inhalable dust; 5 mg/m<sup>3</sup> (8hr TWA) total respirable dust

### 8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation

Occupational exposure controls

- In case of inadequate ventilation wear respiratory protection.
- Wear suitable protective clothing, including eye/face protection and gloves (butyl rubber are recommended)



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## 8 Exposure controls/personal protection (....)

- When handling this substance, e.g. sampling, wear goggles giving complete eye protection



Respirator



Goggles



Gloves



Suit

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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Solid, white
- pH 8-10 at 1 % concentration
- Boiling point 1601 °C
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point 782 deg C with decomposition
- Water solubility 740 g/l
- Specific gravity 2.15 g/cm<sup>3</sup>
- Not flammable
- Partition coefficient : n-Octanol/water - not known
- Evaporation rate - not known
- Viscosity - not applicable

### 9.2 Other information

- Bulk density - not known

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## 10 Stability and reactivity

### 10.1 Reactivity

- Generates heat on addition to water (exothermic)

### 10.2 Chemical stability

- No information available

### 10.3 Possibility of hazardous reactions

- No information available

### 10.4 Conditions to avoid

- Avoid contact with water
- Avoid contact with acids and alkalis
- Avoid contact with moisture
- Avoid contact with zinc

### 10.5 Incompatible materials

- Avoid contact with zinc

### 10.6 Hazardous Decomposition Products

- Forms hazardous decomposition products
- Decomposition products may include hydrogen chloride



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## 11 Toxicological information

### 11.1 Information on toxicological effects

- LD50 (oral, rat) 1000 mg/kg

#### Inhalation

- May cause coughing
- Causes dry throat

#### Contact with skin

- In cases of severe exposure, irritation may develop
- In cases of severe exposure, dermatitis may develop

#### Contact with eyes

- Causes redness and irritation
- Can cause damage to the eyes

#### Ingestion

- Causes nausea/vomiting

#### Carcinogenicity

- No evidence of carcinogenic effects

#### Teratogenicity

- No information available

#### Mutagenicity

- No information available

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## 12 Ecological information

### 12.1 Toxicity

- No information available

### 12.2 Persistence and degradability

- No information available

### 12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

### 12.4 Mobility in soil

- Large volumes may penetrate soil and contaminate groundwater

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

### 12.6 Other Adverse Effects

- No information available

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## 13 Disposal considerations

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation



### 13 Disposal considerations (....)

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- This material and/or its container must be disposed of as hazardous waste

#### Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)

### 14 Transport information

14.1 UN Number

14.2 UN Proper Shipping Name  
Not hazardous

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

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

#### Other information

##### Road/Rail (ADR/RID)

Proper Shipping Name:	Not hazardous	ADR UN No.:
ADR Hazard Class:		ADR Packing Group:
Tunnel Code:		

##### Sea (IMDG)

Proper Shipping Name:	Not hazardous	IMDG UN No.:
IMDG Hazard Class.:		IMDG Pack Group.:

##### Air (ICAO/IATA)

Proper Shipping Name:	Not hazardous	ICAO Un No.:
ICAO Hazard Class.:		ICAO Packing Group.:

### 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Refer to current CPL Regulations
  - Refer to current EC Directive 82/501/EEC (the Seveso Directive)
  - The List of Wastes (England) Regulations 2005 apply in the UK
  - Not hazardous according to current ADR Regulations

15.2 Chemical Safety Assessment



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## 16 Other information

Text of R and S phrase codes used in this safety data sheet:- H319: Causes serious eye irritation.; R36: Irritating to eyes.

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.