	<b>SAFETY DATA SHEET (SDS)</b>	
	<b>CALCIUM CHLORIDE PRILLS</b>	
	Document #: <b>SCIL-SDS-08</b>	Issue Date: <b>01-Jan-23</b>
	Revision: <b>0</b>	Next Rev: <b>31-Dec-27</b>

## 1. IDENTIFICATION

- 1.1 Product identifier:** Calcium chloride Prills
- Synonym(s):** Calcium chloride
- Index No.** 017-013-00-2
- Reach No.** 01-2119494219-28-XXXX
- CAS No.** 10043-52-4
- 1.2 Recommended use:** Laboratory chemicals, Manufacture of substances
- Restrictions on use:** Not determined.
- 1.3 Details of the supplier of the Safety data sheet Manufacturer**
- Company Name** Sitara Chemical Industries Ltd.
- Address:** 32-K.M, Sheikhpura Road, Faisalabad
- Telephone Number:** (+92) 041-4689141-5
- Emergency Number** (+92) 041-4689141-5 (Ext.1161)
- Website** <http://www.sitara.com.pk>

## 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or Mixture.**

**Classification according to Regulation (EC) No 1272/2008**

H319 Eye irritation (Category 2)

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 Label Elements**

**Labeling according Regulation (EC) No 1272/2008**

Pictogram



Signal word Warning

**Hazard statement(s):** Causes serious eye irritation.

**Precautionary statement(s)**

Immediately wash skin with plenty of water after handling.


Wear eye protection/ face protection.

IF IN EYES: Immediately rinse with water for 15 minutes, If eye irritation persists, Get medical advice/ attention

**Supplemental Hazard Statements** None

**2.3 Other hazards:**

This substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Formula : CaCl<sub>2</sub>  
Molecular weight : 110.98 g/mol

Calcium chloride dihydrate			
Component		Classification	Concentration
CAS-No.	10043-52-4	Eye Irrit. 2; H319	<= 100 %
EC-No.	233-140-8		
Index-No.	017-013-00-2		

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 4. FIRST AID MEASURES

#### 4.1 Description of first-aid measures

**General advice:** Show this material safety data sheet to the doctor in attendance.

**If inhaled:** After inhalation move to fresh air.

**In case of skin contact:** Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**In case of eye contact:**

Rinse out with plenty of water. Remove contact lenses. Immediately call in ophthalmologist

**If swallowed:**

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and environment.

**Unsuitable extinguishing media:** For this substance no limitations of extinguishing agents are given.

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

Hydrogen chloride gas.

Sodium oxides.

Not combustible.


Ambient fire may liberate hazardous vapours.

#### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

#### 5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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## 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**  
 Avoid substance contact. Do not breathe vapors, aerosols. Ensure adequate ventilation.  
 Wear **Personal protective equipment (PPE)**.
- 6.2 Environmental precautions.** Do not let product enter drains.
- 6.3 Methods and materials for containment and cleaning up**  
 Cover drains. Observe possible material restrictions. Dispose of properly. Clean up affected area.
- 6.4 Reference to other sections:**  
 For disposal see section 13.

## 7. HANDLING AND STORAGE


- 7.1 Precautions for safe handling**  
 For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities**  
**Storage conditions** : Tightly closed, Moisture sensitive, do not store near water.
- 7.3 Specific end use(s)**  
 Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
 Ingredients with workplace control parameters.
- 8.2 Exposure controls**  
**Personal protective equipment**  
**Eye/face protection:** Use equipment for eye protection.  
**Skin protection:** Chemical resistant gloves.  
**Body Protection:** Protective clothing.  
**Respiratory protection:** Required when dusts are generated.  
**Other:** Wear suitable protective clothing.  
**Control of environmental exposure:** Do not let product enter drains.

## 9. PHYSICAL & CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties**
- |  |                               |
|--|-------------------------------|
| <b>Appearance</b>  |                               |
| <b>Physical state / Form:</b>                                | Solid/Prills                  |
| <b>Color:</b>  | white                         |
| <b>Odor:</b>   | No data available             |
| <b>pH :</b>  | 4.5 – 8.5 at 50 g/l at 20 °C  |
| <b>Melting point/freezing point:</b>                         | Melting point 775 °C          |
| <b>Initial boiling point and boiling range:</b>              | 1935 °C                       |
| <b>Flash Point:</b>  | No data available             |
| <b>Evaporation rate:</b>                                     | No data available.            |
| <b>Flammability (solid, gas):</b>                            | The product is not flammable. |
| <b>Upper/lower limit on flammability or explosive limits</b> | No data available.            |
| <b>Vapor pressure:</b>                                       | 0.01 hPa at 20 °C             |
| <b>Vapor density:</b>  | No data available             |

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<b>Relative density:</b>	No data available
<b>Solubility in water:</b>	81.3 g/l at 20 °C
<b>Partition coefficient (n-octanol/water):</b>	Not applicable for inorganic substances
<b>Auto-ignition temperature:</b>	Not applicable.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b> Viscosity, kinematic / dynamic	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available
<b>9.2 Other safety information:</b>	No data available

### 10. Chemical Stability & Reactivity Information


<b>10.1 Reactivity:</b>	No data available
<b>10.2 Chemical Stability:</b>	The product is chemically stable under standard ambient conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Exothermic reaction with, boron trifluoride, vinyl methyl ether water
<b>10.4 Conditions to avoid:</b>	No information available.
<b>10.5 Incompatible Materials:</b>	No data available
<b>10.6 Hazardous Decomposition Products:</b>	In the event of fire: see section 5

### 11. TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity:</b>	
Symptoms:	If ingested in large quantities, Stomach/intestinal disorders
<b>Skin corrosion/irritation:</b>	No skin irritation
<b>Serious eye damage/eye irritation:</b>	Eye irritation
<b>Respiratory or skin sensitization:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Reproductive toxicity:</b>	No data available
<b>Specific target organ toxicity - single exposure:</b>	No data available
<b>Specific target organ toxicity - repeated exposure:</b>	No data available
<b>Aspiration hazard:</b>	No data available
<b>11.2 Additional Information</b>	
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	
Toxicity to fish:	
LC50 - Lepomis macrochirus (Bluegill sunfish) -	10.650 mg/l- 96 h
Remarks: (anhydrous substance) (IUCLID)	
<b>12.2 Persistence and degradability</b>	No data available
<b>12.3 Bio accumulative potential:</b>	No data available
<b>12.4 Mobility in soil:</b>	No data available
<b>12.5 Results of PBT and vPvB assessment</b>	

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This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects** Discharge into the environment must be avoided.

### 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

**Product**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

### 14. TRANSPORT INFORMATION

**14.1 UN number**

ADR/RID: -                      IMDG: -                      IATA: -

**14.2 UN proper shipping name**

ADR/RID:                      Not dangerous goods.  
 IMDG:                         Not dangerous goods  
 IATA:                         Not dangerous goods

**14.3 Transport hazard class (es)**

ADR/RID: -                      IMDG: -                      IATA: -

**14.4 Packaging group**

ADR/RID: -                      IMDG: -                      IATA: -

**14.5 Environmental hazards**

ADR/RID: No                      IMDG Marine pollutant: No                      IATA: no

**14.6 Special precautions for user:** Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

This material safety data sheet complies with the Regulation (EC) No. 1907/2006.

**15.2 Chemical Safety Assessment:** A Chemical Safety Assessment was not carried out for this substance.

### 16. LABELING INFORMATION

**Full text of H-Statements referred to under sections 2 and 3.**

H319 Causes serious eye irritation.

**Disclaimer:**

All information given in this data sheet by the company's technical staff is compiled based on data available at this time. The company accepts no responsibility whatsoever for its accuracy or for any results which may be obtained by customers. Any customer who relies upon any advice or information given in this data sheet by the company or by its technical staff does so entirely at its own risk and the company will not be liable for any loss or damage thereby suffered notwithstanding any want of care on the part of the company or its staff in compiling or giving the advice or information.