



## Section 1 - Chemical Product and Company Identification

**Product Name** L-Ascorbic Acid Calcium Salt Dihydrate extrapure, 99%  
**Product Code** 12535  
**CAS No** 5743-28-2  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

**2.1 Substances Synonyms :** Vitamin Ccalcium salt  
L-Ascorbic acidcalcium saltdihydrate  
Formula : Molecular weight : CAS-No. : C12H14CaO12 · 2H2O 426.34 g/mol  
5743-28-2

## Section 3 - Hazards Identification

### 3.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 3.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 3.3 Other hazards - none

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 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



## Section 5 - Fire Fighting Measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides, Calcium oxide

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

No data available

## Section 6 - Accidental Release Measures

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

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

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

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 2.2.

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

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

Storage class (TRGS 510): Combustible Solids

## Section 8 - Exposure Control / Personal Protection

### 8.1 Control parameters

#### 8.2 Exposure controls

**Appropriate engineering controls**

General industrial hygiene practice.

**Personal protective equipment**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



## Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

## Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Respiratory protection

Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Control of environmental exposure

Do not let product enter drains.

## Section 9 - Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

- |   |                                    |
|---|------------------------------------|
| a) Appearance                                   | Form: crystalline<br>Colour: beige |
| b) Odour  | No data available c)               |
| Odour Threshold                                 | No data available                  |
| d) pH   | 6.5 - 8.0                          |
| e) Melting point/freezing point                 | Melting point/range: 166 °C        |
| f) Initial boiling point and boiling range      | No data available                  |
| g) Flash point                                  | 300.00 °C - closed cup h)          |
| Evaporation rate                                | No data available                  |
| i) Flammability (solid, gas)                    | No data available                  |
| j) Upper/lower flammability or explosive limits | No data available                  |
| k) Vapour pressure                              | No data available l)               |
| Vapour density                                  | No data available m)               |
| Relative density                                | No data available                  |
| n) Water solubility                             | No data available                  |
| o) Partition coefficient: n- octanol/water      | No data available                  |
| p) Auto-ignition temperature                    | No data available                  |
| q) Decomposition temperature                    | No data available                  |
| r) Viscosity                                    | No data available s)               |
| Explosive properties                            | No data available t)               |



Oxidizing properties      No data available

## 9.2 Other safety information

No data available

## Section 10 - Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Calcium oxide

Other decomposition products - No data available

In the event of fire: see section 5

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available(Calcium diascorbate dihydrate)

#### Skin corrosion/irritation

No data available(Calcium diascorbate dihydrate)

#### Serious eye damage/eye irritation

No data available(Calcium diascorbate dihydrate)

#### Respiratory or skin sensitisation

No data available(Calcium diascorbate dihydrate)

#### Germ cell mutagenicity

No data available(Calcium diascorbate dihydrate)

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

No data available(Calcium diascorbate dihydrate)

#### Specific target organ toxicity - single exposure



No data available(Calcium diascorbate dihydrate)

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available(Calcium diascorbate dihydrate)

**Additional Information**

RTECS: Not available

## Section 12 - Ecological Information

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available(Calcium diascorbate dihydrate)

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

No data available

## Section 13 - Disposal Considerations

**13.1 Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

## Section 14 - Transport Information

NOT REGULATED FOR TRANSPORT

## Section 15 - Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

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## Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.