



catapowerinc.com

# Safety Data Sheet

Version 1.4

Revision date: 1 March 2023

## Section 1: Identification

### 1.1 Product identifier

Product name: Calcium lactate pentahydrate (FCC food grade)  
Other names: Lactic acid, calcium salt  
Product code: 01-02-0012  
CAS number: 5743-47-5  
EINECS number: 248-953-3

### 1.2 Relevant uses

Recommended use: Chemicals for laboratory evaluation

### 1.3 Supplier details

Manufacturer: Catapower, Inc.  
2265 E. Foothill Blvd.  
Pasadena, CA 91107  
info@catapowerinc.com  
Phone: (626) 657-0386

### 1.4 Emergency telephone number

Emergency phone: (800) 424-9300  
CHEMTREC is available at the number above 24 hours/day, 7 days/week.

## Section 2: Hazard(s) identification

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

### 2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

### 2.3 Hazards not otherwise classified

None.

## Section 3: Composition/information on ingredients

### 3.1 Substances:

Formula:  $C_6H_{10}CaO_6 \cdot 5 H_2O$   
Molecular Weight: 308.30 g/mol  
CAS number: 5743-47-5

## Section 4: First aid measures

### 4.1 Description of necessary first-aid instructions

General guidance: Consult a medical professional. Present a copy of this safety data sheet.  
If inhaled: Move affected person into fresh air. If not breathing, provide artificial respiration. Consult a medical professional.

- In case of skin contact: Remove all contaminated clothing. Wash affected area with soap and water. Consult a medical professional.
- In case of eye contact: Rinse entire eye (including under the eyelids) for at least 15 minutes. Consult a medical professional.
- If swallowed: Rinse mouth with water; do not induce vomiting. Consult a medical professional.

#### 4.2 Most important symptoms/effects

The most important known symptoms and effects are described in Section 11 (Toxicological Information).

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

Not available.

### Section 5: Firefighting measures

#### 5.1 Suitable extinguishing media

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

#### 5.2 Specific hazards arising from the chemical

Carbon oxides, calcium oxide, smoke, and irritating fumes or substances may form. Fumes may be toxic.

#### 5.3 Recommendations for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Wear protective clothing and gear to prevent contact with skin and eyes. Follow standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Section 6: Accidental release measures

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

Use personal protective equipment as recommended in Section 8. Avoid breathing aerosol.

#### 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. Dispose according to guidelines in Section 13.

### Section 7: Handling and storage

#### 7.1 Precautions for safe handling

Use personal protective equipment as recommended in Section 8. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Avoid ingestion.

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

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

## Section 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no components with occupational exposure limit values.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands before breaks and at the end of workday.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

#### Skin protection

For full or incidental contact, nitrile gloves with a minimum layer thickness of 0.11 mm are recommended.

#### Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

When a risk assessment indicates respiratory protection is required, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Solid, white
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting/freezing point:	No data available
Initial boiling point and range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Solubility:	No data available

Partition coefficient, n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive Properties:	Not classified as an explosive

## 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 and calcium oxide.  
Other decomposition products: No data available.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### 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 International Agency for Research on Cancer.

NTP: No component of this product present at levels greater than or equal to 0.1% is

identified as a known or anticipated carcinogen by National Toxicology Program.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Section 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulation potential**

No data available

**12.4 Mobility in soil**

No data available

**12.6 Other adverse effects**

No data available

**Section 13: Disposal considerations****13.1 Waste disposal methods**

Must not be disposed in household garbage or in sewer. Dispose of excess product in appropriate containers with a licensed disposal company in accordance with all relevant regulations.

**13.2 Contaminated packaging**

Contaminated packaging should be discarded in the same manner as excess product.

**Section 14: Transport information****14.1 UN number**

Not regulated.

**14.2 UN proper shipping name**

Not regulated

**14.3 Transport hazard class(es)**

Not regulated

**14.4 Packing group number**

Not regulated

**Section 15: Regulatory information****15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture  
SARA 302 components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

No SARA Hazards

**Massachusetts Right To Know components**

No components are subject to the Massachusetts Right to Know Act.

**California Prop. 65 components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 16: Other information****16.1 Disclaimer**

This information supplied in this document is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should make their own investigation to determine the suitability of this information for their particular purposes.

**16.2 NFPA ratings**

Health = 1

Fire = 0

Reactivity = 0

Special hazards = none applicable

**16.2 HMIS ratings**

Health = 1

Fire = 0

Reactivity = 0

Personal protection = class C (safety glasses, gloves, and apron)