



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Calcium Lactate USP Pentahydrate

30-1582

Section 1: Identification

Product Name Calcium Lactate USP Pentahydrate

Commercial Name Not available.

Product Use Not available

Restrictions On Use Not available

Product Code 30-1582

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available

CFR 1910.1200

Signal Word NON-HAZARDOUS

Hazard Statement(s) Not available

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available

Response Not available

Storage Not available

Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Mixture

Components Calcium lactate pentahydrate, water

% By Weight Calcium lactate pentahydrate:73-95%, Water: Balance

CAS# 63690-56-2

Molecular Weight 308.3 g/mole

Chemical Formula C₆H₁₀CaO₆·5H₂O

Synonym(s) Calcium Lactate Pentahydrate, Calcium Lactate Trihydrate, Calcium Lactate Monohydrate, Calcium L- 2-hydroxy propanoate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Calcium lactate pentahydrate	5743-47-5	73-95	Not available.	Not available.
Water		Balance		

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Section 4: First-Aid Measures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Skin Contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye Contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth thoroughly. Drink plenty of water.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media

Not available.

Products of Combustion

The product is not flammable. No unusual fire or explosion hazards noted.

Firefighters Special Equipment and Precautions

Use standard firefighting procedures and consider the hazards of other involved materials. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal precautions: Keep unnecessary personnel away. Environmental precautions: Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Methods for containment: Stop source of leak if possible. Methods for cleaning up: Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Following product recovery, flush area with water.

Section 7: Handling and Storage

Handling: Handle and open container with care. Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Storage: Use care in handling/storage. Store in tightly closed original container in a dry and cool place.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.
Personal Protection	Eye / face protection: Wear goggles/face shield. Skin protection: Wear appropriate clothing to prevent repeated or prolonged skin contact. Respiratory protection: Wear a dust mask if dust is generated above exposure limits. General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	White Powder to Granular. Solid.		
Odor	Slight/none		
Odor Threshold	Not available		
Melting Point	> 392 °F (> 200 °C)	pH	6 - 8.5 @ 10 %
Freezing Point	Not available	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	> 392 °F (> 200 °C)	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	Not applicable	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	70 - 90 g/l @ 25 °C in water		
Other	Bulk density 600 - 800 kg/m ³		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Material is stable under normal conditions.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to Avoid	Not available.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon dioxide

Section 11: Toxicological Information**RTECS** OD4150000**Acute Toxicity**

Not available

Skin Corrosion/Irritation

Not available

Serious Eye Damage/Irritation

Not available

Respiratory or Skin Sensitization

Not available

Germ Cell Mutagenicity

Not available.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Toxicity

Not available

Routes of Entry

Not available

Symptoms Related to Exposure

Not available

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Potential Health Effects

Not available

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

This product has no known eco-toxicological effects.

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available.

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Disposal of Container

Not available.

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. CERCLA/SARA Hazardous Substances - Not applicable. CERCLA (Superfund) reportable quantity None Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Section 302 extremely hazardous substance No Section 311 hazardous chemical No

Other

Not available.

Section 16: Other Information

Not available.