



Safety Data Sheet

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

Calcium Levulinate USP

30-2679

Section 1: Identification

Product Name Calcium Levulinate USP
Commercial Name Levulinic Acid, Calcium Salt
Product Use Used as calcium replenisher in Pharmaceutical field
Restrictions On Use Not available
Product Code 30-2679
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 Substance
Components Calcium levulinate
% By Weight 100
CAS# 5743-49-7
Molecular Weight 306.33
Chemical Formula C₂₀H₁₄CAO₆2H₂O
Synonym(s) Levulinate acid calcium salt

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Levulinic Acid, Calcium Salt	5743-49-7	100		Not applicable.



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Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration
Skin Contact	Wash off with soap and plenty of water
Eye Contact	Flush eyes with water as a precaution
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Carbon oxides, Calcium oxide

Firefighters Special Equipment and Precautions

Wear self contained breathing apparatus for firefighting if necessary

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8. Environmental precautions: Do not let product enter drains. Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

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. Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	General industrial hygiene practice
Personal Protection	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 levels of dusts are desired, use type N95 (US) or type P1 (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

Appearance	Form: powder Colour: white		
Odor	Not available		
Odor Threshold	Not available		
Melting Point	Not available.	pH	7.0 to 8.5
Freezing Point	Not available	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available	Vapor Density	Not available.
Decomposition temperature	Not available	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available	Evaporation Rate	Not available
Flash Point	Not available.	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Not available		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under recommended storage conditions
Hazardous Polymerization	Not available.
Conditions to Avoid	Not available.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information

RTECS	Not Available
Acute Toxicity	Not available
Skin Corrosion/Irritation	Non irritation
Serious Eye Damage/Irritation	Not available.
Respiratory or Skin Sensitization	Not available
Germ Cell Mutagenicity	Not available
Carcinogenicity	Not available
Reproductive Toxicity	Not available
Routes of Entry	Not available
Symptoms Related to Exposure	Not available

Potential Health Effects

Not available

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Not available

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**

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

Disposal of Container

Dispose of as unused product

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

DOT 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**

Not available.

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) This product is not classified according to the EU regulations.;Lab coat.;Safety glasses.

Section 16: Other Information

Not available.