

山东瑞恒生物科技有限公司

Shandong Ruiheng biotechnology Co.,Ltd.

MATERIAL SAFETY DATA SHEET



1. Product Identification

Name : Calcium Propionate

Synonyms: Propionic Acid Calcium Salt

CAS No.: 4075-81-4

Molecular Weight: 186.22

Chemical Formula: (C₃H₆O₂)₂.Ca;C₆H₁₀CaO₄

Manufacturer/Supplier: Shandong Ruiheng biotechnology Co.,Ltd.

Address: Lunan Hi-Tech Chemical Park,Mushi Town,Tengzhou City,Shandong Province,China

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Calcium Propionate	4075-81-4	99 – 100.5%	No

3. Hazards Identification

Designation :

No specific hazard

Risk Phrases

4. First Aid Measures

Inhalation

Remove to fresh air. Seek medical advice if symptoms persist.

Eye Contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

Skin Contact

Wash affected area with soap and water. Rinse thoroughly.

Ingestion

Rinse out mouth and drink lots of water. If unusual symptoms are observed, seek medical advice.

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5. Fire Fighting Measures

Suitable Extinguishing Agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam

Protective Equipment

Wear self-contained breathing apparatus and protective clothing.

Hazardous Products of Combustion May Include:

carbon monoxide, carbon dioxide, metal oxide fume.

6. Accidental Release Measures

Personal Protection

Wear protective equipment including rubber gloves, and eye protection. Keep unprotected persons away.

Environmental Protection

Take precautions to ensure product does not enter the drainage system.

Collection

Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

7. Handling and Storage

Handling

Chemicals should be used only by those trained in handling potentially hazardous materials. Rubber gloves, eye protection and protective clothing should be worn. Operations should be carried out in an efficient fume hood or equivalent system.

Storage

Store in tightly sealed containers in a cool place.
Protect from moisture.

8. Exposure Controls/Personal Protection

Respiratory

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Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

Eye

Avoid eye contact. Wear safety spectacles or goggles.

Hands and Body

Avoid skin contact. Wear rubber gloves and protective clothing.

9. Physical and Chemical Properties

Molecular Formula	(C ₃ H ₆ O ₂) ₂ .Ca;C ₆ H ₁₀ CaO ₄
Formula Weight	186.22
Test Items/Standard	GB1886.356-2022
Appearance	White Powder
Content	99.0%-100.5%
Loss on drying	≤5.0%
PH	7.5-10.5
Acidity and Alkalinity	Pass test
Heavy Metals(As Pb)	≤10mg/kg
Fluoride(F)	≤0.003%
Water Insoluble Matter	≤0.20%
Magnesium	≤0.40%
Arsenic	≤3.0mg/kg
Lead	≤0.0002%



10. Stability and Reactivity

Specific Hazard

Incompatibilities

Strong oxidising agents.

Decomposition

Hazardous products of decomposition may include:

carbon monoxide, carbon dioxide.

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11. Toxicological Information

RTECS Number : **Not listed**

Acute Toxicity

Oral: LD50 : 2350 mg/kg (mus)

LD50: 3920 mg/kg (rat)

12. Ecological Information

General

Take care to prevent chemicals from entering the ground, water courses or drainage systems.

13. Disposal Considerations

Disposal

Disposal should be via an approved contractor and should take full account of local regulations.

14. Transport Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. Regulatory Information

CAS Number : 4075-81-4

H.S.Code: 29155090

EINECS Number : 223-795-8

EEC Number :

UN Number : None

RTECS Number : Not listed

Hazard Indication :

No specific hazard

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Risk and Safety Phrases

None specified - Exercise all due care in use



16. Other Information

Any information contained herein and advice by us is made to the best of our ability on the basis of current industrial practice, Literature data and our own knowledge and experienced.

Issuing Date: 06 January 2024
