

CALCIUM PROPIONATE, 98%

1. Product Identification

Synonyms: Propionic Acid, Calcium Salt; Calcium Dipropionate

CAS No.: 4075-81-4

Molecular Weight: 186.1476

Chemical Formula: C₆H₁₀CaO₄

Product Codes: Analytyka: C3750R

2. Composition/Information on Ingredients

Ingredient EINECS/ELINCS	CAS No	Percent
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Calcium Propionate 223-795-8	4075-81-4	98%

3. Hazards Identification

Emergency Overview

Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Health Rating: 1 - Slight

Flammability Rating: 0 - None

Reactivity Rating: 0 - None

Special Hazard:

Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES

Storage Color Code:

Potential Health Effects

Inhalation:

May cause respiratory tract irritation.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Skin Contact:

May cause skin irritation.

Eye Contact:

May cause eye irritation.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

Not information found.

4. First Aid Measures

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Ingestion:

Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Skin Contact:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

5. Fire Fighting Measures

Flash Point:

Not applicable.

Explosion Limits, Lower:

Not available

Fire Extinguishing Media:

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Special Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use extinguishing media appropriate to the surrounding fire. Substance is noncombustible.

6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.
Clean up spills immediately, observing precautions in the Protective Equipment section.
Avoid generating dusty conditions. Provide ventilation.

7. Handling and Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
Storage: Store in a cool, dry place. Store in a tightly closed container.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

-OSHA Permissible Exposure Limit (PEL):

None listed

-ACGIH Threshold Limit Value (TLV):

None listed

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Skin Protection:

Wear appropriate protective gloves to prevent skin exposure.

Eye Protection:

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

9. Physical and Chemical Properties

Appearance:

White solid.

Odor:

None reported.

Solubility:

Soluble in water.

Specific Gravity / Density:

Not available

pH:

Not available.

% Volatiles by volume @ 21C (70F):

Boiling Point:

Not available.

Melting Point:

Not available

Vapor Density (Air=1):

Not available.

Vapor Pressure (mm Hg):

Not available.

Evaporation Rate (BuAc=1):

Not available.

10. Stability and Reactivity

Stability:

Stable under normal temperatures and pressures.

Hazardous Decomposition Products:

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, calcium oxide.

Hazardous Polymerization:

Has not been reported.

Incompatibilities:

Strong oxidizing agents.

Conditions to Avoid:

Incompatible materials, dust generation, excess heat.

11. Toxicological Information

RTECS#:

CAS# 4075-81-4: UE8450000

LD50/LC50:

Not available.

Carcinogenicity:

CAS# 4075-81-4: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

Other Studies: No data available.

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

14. Transport Information

US D.O.T.

Proper Shipping Name: No information available

Hazard Class: No information available

UN/NA: No information available

Packing Group: No information available

Information reported for product/size: No information available

15. Regulatory Information

US FEDERAL

TSCA

CAS# 4075-81-4 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 4075-81-4 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 4075-81-4: 1

Canada - DSL/NDSL

CAS# 4075-81-4 is listed on Canada's DSL List.

Canada - WHMIS

WHMIS: Not available.

Canadian Ingredient Disclosure List

Exposure Limits

16. Other Information

Product Use:

Laboratory Reagent.

Revision Information:

Oct. 2003.

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