



Section 1. Product and Company Identification

Product Name Calcium Pyruvate
CAS Number 52009-14-0

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
Not classified as a hazardous substance or mixture

GHS Label Elements

Pictograms: N/A
Signal word: N/A

Hazard and precautionary statements

None

Emergency Overview

Health Rating: 1 - Slight
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 1 - Slight
Lab Protective Equip: Goggles; Lab Coat
Storage Color Code: Orange (General Storage)

Potential Health Effects

Inhalation: No adverse health effects expected from inhalation.
Ingestion: Large doses may cause gastro-intestinal upset.
Skin Contact: No adverse effects expected.
Eye Contact: No adverse effects expected.
Chronic Exposure: No information found.
Aggravation of Pre-existing Conditions: No information found.



Section 3. Composition / Information on Ingredients

Common Name	Calcium Pyruvate
Synonym(s)	Pyruvic Acid, Calcium Salt; Propanoic acid, 2-oxo-, calcium salt; Acetyl formic acid, calcium salt;
Formula	$(\text{CH}_3\text{COCO}_2)_2\text{Ca}$
CAS Number	52009-14-0

Section 4. First Aid Measures

Inhalation: Not expected to require first aid measures.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact: Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Call a physician if irritation persists.

Section 5. Firefighting Measures

Fire: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Explosion: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

Section 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Avoid dust formation and control ignition sources. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in any process capable of generating dust and/or static electricity. Empty only into inert or non-flammable atmosphere. Emptying contents into a non-inert atmosphere where flammable vapors may be present could cause a flash fire or explosion due to electrostatic discharge.



Section 8. Exposure Controls / Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Safety glasses.

Section 9. Physical and Chemical Properties

Appearance: White or almost white powder.

Odor: With a mild sweet of carboxylic acid

Solubility: Soluble in water

Specific Gravity: No information found.

pH: 5.5 - 6.5 (2% in water)

% Volatiles by volume (21°C/70°F): 0

Boiling Point: No information found.

Melting Point: > 300°C (> 572°F)

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate (BuAc=1): No information found

Section 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizers.

Conditions to Avoid: Heat, incompatibles.

Section 11. Toxicological Information

Cancer Lists

Ingredient	NTP Carcinogen		IARC Category
	Known	Anticipated	
Pyruvic Acid, Calcium Salt (CAS Number: 52009-14-0)	No	No	None



Section 12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Not regulated

Section 15. Regulatory Information

Chemical Inventory Status

TSCA: Yes

EC: Yes

Japan: Yes

Australia: Yes

Korea: Yes

Canada - DSL: Yes

Canada - NDSL: No

Philippines: No

Federal, State & International Regulations

SARA 302 - RQ: No

SARA 302 - RQ: No

SARA 313 - List: No

SARA 313 - Chemical Catg.: No

CERCLA: No

RCRA 261.33: No

TSCA 8(d): No

Chemical Weapons Convention: No

TSCA 12(b): No

CDTA: No

SARA 311/312

Acute: No

Chronic: No



Fire: No
Pressure: No
Reactivity: No

Australian Hazchem Code: No information found.

Poison Schedule: No information found.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

NFPA Rating

Health: 0

Flammability: 0

Reactivity: 0

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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