

MATERIAL SAFETY DATA SHEET

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CALCIUM LACTATE POWDER

1. Identification of the product and the company

Company identification :
Kraft Chemical Company
1975 Hawthorne Ave
Melrose Park, IL 60160
Trade name : Calcium Lactate Powder
Chemical family : Salt of L(+) lactic acid - Powder
Use : Animal food-stuff industry.
Food industry.
Pharmaceutical industry.
Cosmetic ingredient.

2. Hazards identification

Main hazards : This product is not hazardous.
- Eye contact : Excessive dust production may cause minor eye irritation.

3. Information on ingredients

This product is not considered to be hazardous and does not contain hazardous components.

Substance name Value(s) CAS nr / EINECS nr / EC index Symbol(s) R-Phrase(s)

Calcium lactate pentahydrate : 5743-47-5 / 248-953-3 / -----

4. First aid measures

- Inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Assure fresh air breathing.
- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
Retract eyelids often.
- Ingestion : Give water to drink.

5. Fire - fighting measures

Flammable class : Not flammable.
Extinguishing media : All extinguishing media can be used.
- Not to be used : None.
Special exposure hazards : Carbon dioxide. / Carbon monoxide. On exposure to high temperature, may decompose, releasing toxic gases.
Protection against fire : Wear recommended personal protective equipment.
Special procedures : None.

6. Accidental release measures

Technical measures : Use good housekeeping practices to avoid rendering dust airborne.
Personal precautions : Equip cleanup crew with proper protection.
Environmental precautions : Prevent entry to sewers and public waters.
After spillage and/or leakage : Sweep or shovel spills into appropriate container for disposal.
Dilute residues and flush.

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7. Handling and storage

General : Minimize generation of dust.

Technical protective measures : No special work practices are needed beyond the above recommendations under anticipated conditions of normal use.

Storage : Store in dry, well-ventilated area.

Close cover tightly after use.

Between 5 and 25°C.

Handling : Handle in accordance with good industrial hygiene and safety procedures.

8. Exposure controls / personal protection

- Respiratory protection : In case of excessive dust production.

- Skin protection : Not required.

- Eye protection : In case of excessive dust production.

Industrial hygiene : Handle in accordance with good industrial hygiene and safety procedures.

Provide local exhaust or general room ventilation to minimize exposure to dust.

9. Physical and chemical properties

Physical state : Powder

Colour : White.

Odour : Neutral.

Taste : Neutral.

pH value : 6 - 8 (5% solution)

Melting zone [°C] : > 170

Bulk density [kg/m³] : 600 to 800

Solubility in water [g/100 ml] : 9

Solubility in : water and practically insoluble in ethanol

Flash point [°C] : Not applicable

Explosion limits : Dust explosion constant : 29 bar.m/s

Min. ignition temperature : 610°C

Min. ignition energy : > 8700 mJ

Explosion class : ST 1

Max. pressure increase rate : 105 bar/s

Max. Explosion overpressure : 5.1 bar

10. Stability and reactivity

Hazardous reactions : Avoid contact with : Strong oxidizing agents.

Hazardous decomposition products : Carbon monoxide. Carbon dioxide.

11. Toxicological information

Toxicity information : This product is not hazardous.

LDLo - (i.v.mouse) [mg/kg] : 140

Carcinogenicity : No carcinogenic suspected agent.

12. Ecological information

Ecological effects information : Neutral product.

Persistence and degradability : Biodegradable.

Bioaccumulative potential : None.

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13. Disposal considerations

Disposal : This product is not hazardous. Comply with local regulations for disposal.
Waste-disposal procedures : Comply with applicable regulations for solid waste disposal.
Assure effluent complies with applicable regulations.
Rinse with water.

14. Transport information

General information : Not classified.

15. Regulatory information

EC Labelling : Not regulated under the criteria of Directive 67/548/EEC.
Symbol(s) : None.
R Phrase(s) : None.
S Phrase(s) : None.
Other : EEC Food additive E327 (not Pharmaceutical grade)

End of document

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