

SAFETY DATA SHEET

CALCIUM LACTATE PENTA PEARL

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Calcium Lactate Penta Pearl
INCI Name: Calcium lactate
CAS Number: 28305-25-1 / 814-80-2
Recommended Use: Food additive, Pharmaceutical industry, Cosmetics
Company: Kraft Chemical Company
Melrose Park, IL 60160
Phone: 708-345-5200
Fax: 708-345-4005

Emergency Phone Number

Emergency: Chemtrec: 800-424-9300

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : -

Hazard statements (CLP) : None

Precautionary statements (CLP) : None.

Other hazards



Other hazards not contributing to the: None, to our knowledge.
classification

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Calcium lactate (Main constituent)	(CAS No) 28305-25-1 / 814-80-2 (EC no) 248-953-3 / 212-406-7	100	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium lactate (Main constituent)	(CAS No) 28305-25-1 / 814-80-2 (EC no) 248-953-3 / 212-406-7	100	Not classified

Full text of R- and H-phrases: see section 16

Mixture

Not applicable

4. FIRST AID MEASURES

Description of first aid measures

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If irritation persists, consult a doctor.

First-aid measures after skin contact : Remove all contaminated clothing and footwear. Rinse with water. If on skin and if skin irritation occurs, seek medical advice and attention.

First-aid measures after eye contact : Rinse with plenty of water immediately. If irritation persists, consult an eye specialist.

First-aid measures after ingestion : Rinse mouth out with water. Ask for medical advice.

Most important symptoms and effects, both acute and delayed

No additional information available

Indication of any immediate medical attention and special treatment needed



Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Carbon dioxide (CO₂). Foam.

Special hazards arising from the substance or mixture

Fire hazard : During combustion : Toxic fumes may be released.
Carbon oxides (CO and CO₂).

Advice for firefighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray. Contain the extinguishing fluids by bunding.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes. Do not breathe dust. In case of important spillage : Only qualified personnel equipped with suitable protective equipment may intervene.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Contain the spilled material by bunding. Do not discharge into drains or rivers.

Methods and material for containment and cleaning up

For containment : Recover mechanically the product.
Methods for cleaning up : Wash away residue with large amounts of water.
Other information : Dispose of contaminated materials in accordance with current regulations.

Reference to other sections

For further information refer to section 13.



7. HANDLING AND STORAGE

Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust. Keep away from ignition sources (including static discharges).
- Hygiene measures : Do not drink, eat or smoke in the workplace. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

- Technical measures : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.
- Storage conditions : Keep container tightly closed and dry. Protect from heat and direct sunlight. Keep away from ignition sources.
- Incompatible products : Strong oxidizing agents.

Specific end use(s)

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Calcium lactate (28305-25-1 / 814-80-2)		
France	VME (mg/m ³)	10 mg/m ³ (Particles not otherwise classified) 5 mg/m ³ Aveolar dust

Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Gloves. Safety glasses.



- Hand protection : Protective gloves.
- Eye protection : Safety glasses.
- Skin and body protection : Protective clothing.
- Respiratory protection : If the ventilation is suitable, it is not essential to wear respiratory equipment.
- Environmental exposure controls : Take all necessary precautions to avoid the accidental release of the product outside, due to the rupture of containers or transfer systems.



9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid
Appearance	Crystalline powder.
Colour	White
Odour	Neutral
Odour threshold	Not established
pH	6 - 8
pH solution	5 %
Relative evaporation rate (butylacetate=1)	No data available
Melting point	> 170 °C
Freezing point	Not required
Boiling point	No data available
Flash point	No data available
Self ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Solubility	Water: 90 g/l (25 °C)
Log Pow	No data available
Viscosity, kinematic	Not applicable
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

Other information

No additional information available

10. STABILITY AND REACTIVITY

Reactivity

To our knowledge, the product does not present any particular risk.

Chemical stability

Stable at ambient temperature and under normal conditions of use.

Possibility of hazardous reactions

None to our knowledge.

Conditions to avoid

High temperature.



Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

 On combustion or on thermal decomposition (pyrolysis) releases : Carbon oxydes (CO, CO₂).

11. TOXICOLOGICAL INFORMATION
Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Calcium lactate (28305-25-1 / 814-80-2)	
LD50 oral rat	3543 mg/kg (Published data)
LD50 dermal rabbit	> 2000 mg/kg (Published data)
LC50 inhalation rat	> 7,94 mg/l/4h (Published data)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met) pH: 6 - 8

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met) pH: 6 - 8

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)

 Specific target organ toxicity (repeated exposure)
 Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Technical impossibility to obtain the data)

12. ECOLOGICAL INFORMATION
Toxicity

No additional information available

Persistence and degradability

No additional information available

Bioaccumulative potential

No additional information available



Mobility in soil

No additional information available

Results of PBT and vPvB assessment

No additional information available

Other adverse effects

No additional information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste treatment methods : Dispose of in accordance with relevant local regulations.

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND

UN number

No dangerous good in sense of transport regulations

UN proper shipping name

Not applicable

Transport hazard class(es)

Not applicable

Packing group

Not applicable

Environmental hazards

Other information : No supplementary information available.

Special precautions for user**Overland transport**

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

Inland waterway transport

No additional information available



Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations**

No REACH Annex XVII restrictions

Chemical safety assessment

No chemical safety assessment has been carried out

16. OTHER INFORMATION

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