



MATERIAL SAFETY DATA SHEET:

Calcium Propionate

Version number: CP2015-01
 Date of updating: 03-03-2015
 Date of previous version: 08-01-2014

1. Identification of the product and the company.

1.1 Product identifier

Product name: CalciumPropionate powder
 Chemical name: CalciumPropionate
 Reach Registration number: 01-2119978298-17-0000

1.2 Relevant identified uses of the substance or mixture and uses advised against

Acidifier for use in food and feed industry.

1.3 Details of the supplier of the safety data sheet

Supplier: FF Chemicals BV
 Address: Bloemendaalsezeedijk 10-C, 4765BP
 Zevenbergschenhoek, NL.
 Phone numbers: 0031633954055 en 0031655824567
 Fax: 0031184652569

1.4 Emergency telephone number

Emergency Phone numbers:

- Lifethreatening. tel. 112
- NVIC (nationaal vergiftigen informatie centrum)
tel. +3130274888 (NL)
- Anti-poison centre. tel. +3270245245 (BE)

2 . Hazard identification

2.1 Classification fo the substance or mixture

Classification of the substance in accordance with Regulation (EC) No 1272/2008

Hazard: H315; Causes skin irritation.
 H319; Causes serious eye irritation.

2.2 Label elements

Label elements in accordance with Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H315; Causes skin irritation.

H319; Causes serious eye irritation.

Precautionary statements:

P280; Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338; IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P312; Call a POISON CENTER or doctor/physician if you feel unwell

2.3 Other hazards

Other hazards:

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3. Composition / Information on ingredients
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3.1 Substance

Name:	CalciumPropionate
CAS number:	4075-81-4
Einecs number:	223-795-8
Molecular weight:	186.22
Dangerous components:	-
Further information:	-

3.2 Mixture

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4. First-aid measures

4.1 Description of first aid measures

Inhalation:	There is no known acute effect after over-exposure to this product. If inhaled, remove casualty to fresh air. Obtain medical attention if symptoms occur.
Ingestion:	There is no known acute effect after over-exposure to this product. If swallowed, rinse mouth with water (only if the person is conscious). If the casualty is not breathing, perform mouth-to-mouth resuscitation. Obtain medical attention if symptoms occur.

Skin contact:	There is no known acute effect after over-exposure to this product. After contact wash the skin with plenty of water. Obtain medical attention if symptoms occur. Wash contaminated clothing before reusing.
Eye contact:	Rinse immediately with water for 15 minutes. Open eyelids forcibly. Do not use an eye ointment. Obtain medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation :	May give off gas, vapor or dust that is irritating or corrosive to the respiratory system.
Ingestion :	May cause irritation to mouth, throat and stomach.
Skin contact :	No known significant effects or critical hazards.
Eye contact :	Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No specific treatment.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use foam, carbon dioxide or dry chemical powder. Do not use water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards: In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide
Fine dust clouds may form explosive mixtures with air.

5.3 Advice for firefighters

Special protective clothing: Wear suitable protective clothing. Self-contained breathing apparatus.

Environmental precautions: Vacuum or sweep up material and place in a designated, labelled waste container. Clean up affected area with a large amount of water.

Personal Precautions: Avoid creating dusty conditions and prevent wind dispersal. Use suitable protective equipment (section 8).

Special methods: The product is flammable but hard to ignite.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material.

Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders :

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental Precautions

Environmental precautions:

Try to avoid that the material gets into sewers or open waters.

6.3 Methods and materials for containment and cleaning up

Cleaning measures:

Vacuum or sweep up material and place in a designated, labelled waste container. Clean up affected area with a large amount of water. Dispose in accordance with the local and regional regulation.

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7. Handling and storage

7.1 Precautions for safe handling

Handling:

Use with adequate ventilation. Local exhaust ventilation should be provided. Avoid creating dusty conditions and prevent wind dispersal. Avoid contact with the eyes, skin and clothing. Take care for a safety shower and an eyewash installation.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

Store in original packaging. Store dry and cool in a well ventilated room. Keep away from heat, the sun and sources of ignition.

Avoiding materials:

Strong oxidizing agents.

7.3 Specific end use(s)

Recommendations :

N.A.

Industrial sector specific solutions:

N.A.

8. Exposure controls / personal protection

8.1 Control parameters

N.A.

8.2 Exposure controls

Exposure limit values:	Not available.
Hygiene measures :	When using do not eat, drink or smoke. Wash hands after handling compounds and before eating, smoking and using the lavatory at the end of the day.
Personal protective equipment:	Wear suitable gloves (PVC or rubber, EN 374). Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.
Eye/face protection:	Appropriate Material; Butyl rubber or nitrile rubber. Safety glasses with side shields (EN 166) or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.
Production scale and respiratory system:	If the exposure limit is exceeded and engineering controls are not feasible, a full face piece respirator with organic vapor cartridge may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator (mask with filter P2)). WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.
Other:	Normal chemical working clothes.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance:	Solid powder or granular
Colour:	White / off-white
Odour:	no odour
Solubility in water:	completely soluble
Bulk Density:	0.5-0.6 gr/cm ³ (powder) - 0.6-0.7 gr/cm ³ (granular)
Melting point:	> 300 °C
Flash point:	Not known.
Ignition temperature:	Not known.
Auto-ignition temperature:	> 300 °C
pH:	5.5-9.0 (1% solution)
Viscosity:	Not known.

9.2 Other information

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10. Stability and reactivity**10.1 Reactivity**

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10.2 Chemical stability

Stability: Stable under recommended storage and handling

10.3 Possibility of hazardous Reactions

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10.4 Conditions to avoid

Avoiding measures: Strong oxidizing agents.

10.5 Incompatible materials

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10.6 Hazardous decomposition products

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

Remark:

In case of fire: see section 5.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxiciteit:	LD50 Oral/Rat – 3.920 mg/kg LD50 Oral/Mouse – 2.350 mg/kg Dermal; No data. Inhalational; No data.
Effects for the skin:	May cause allergy-like reaction by skin absorption
Effect for the eyes:	May cause irritation. Can cause damage to the cornea.
Effects if inhaled:	May cause respiratory irritation.
Carcinogenicity:	No carcinogenic suspected agent.

12. Ecological information

12.1 Toxicity

Ecotoxicity	
Fish toxicity:	LC50/Lepomis macrochirus: N.A.
Daphnia toxicity:	EC50/Daphnia Magna: N.A.
Algae toxicity:	EC50/Pseudokirchneriella subcapitata : N.A.
Bacteria toxicity:	EC10/Pseudomonas putida: N.A.

12.2 Persistence and degradability

Environmental effects: Readily biodegradable

12.3 Bioaccumulative potential

Bio concentration: This product shows a low bioaccumulation potential.

12.4 Mobility in soil

Mobility
Water-soluble liquid
Do not allow to enter groundwater, surface water or drains, even in small quantities.

12.5 Results of PBT and vPvB assessment

PBT :	The product is not considered to be a PBT.
vPvB :	The product is not considered to be a vPvB.

12.6 Other adverse effects

No known significant effects or critical hazards.

12.7 Other Information -**13. Disposal considerations****13.1 Waste treatment methods**

Product: Waste must be disposed of in accordance with national and local environmental regulations (EC Directive 91/689/EEC). Controlled biodegradation in waste water treatment is possible.

Packaging: Packaging that cannot be cleaned should be disposed off as product waste.

14. Transport information

14.1 Transport ADR/RID/AND Not classified

14.2 Transport IMDG Not classified

14.3 Transport ICAO-TI / IATA Not classified

14.4 Other information No data available

14.5 Environmental hazards See section 14.1-14.3 if relevant

14.6 Special precautions for user` No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) constituting Appendix C to the Convention concerning International Carriage by Rail (COTIF)

International Maritime Dangerous Goods Code (IMDG CODE)

International Air Transport Association - Dangerous Goods Regulation (IATA DGR)

Directive of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste (94/62/EC)

Ordinance of the Minister of Labour and Social Policy of 29 November 2002 concerning maximum permissible concentrations and intensities of agents harmful to health in a work environment (Journal of Laws No 217 item 1833) with subsequent amendments.

Directive of the European Parliament and of the Council of 19 December 2008 on waste and repealing certain Directives (2008/98/EC)
Ordinance

Annex XIV - List of substances subject to authorisation

Substances of very high concern: None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

Other EU regulations: All components are listed or exempted.

15.2 Chemical Safety Assessment: No data available

16. Other information

The information contained in the Material Safety Data Sheet is based on our data available on the date of publication. The information is intended to aid the user in controlling the handling risks; it is not to be construed as a warranty or specification of the product quality.

The information may not be or may not altogether be applicable to combinations of the product with other substances or to particular applications.

The user is responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the product's intended purpose. In case of any unclarity we advise consulting the supplier or an expert.

Safety, Health & Environment Department. Telephone no.: +**0031655824567**