

Calcium Propionate

Ref.40094/5.1/REG_USA/EU/EN

Revision Date: 14.02.2023

Previous date: 07.06.2021

Print Date: 14.02.2023

Section 1: Identification

Product information

Commercial Product Name

Calcium Propionate; Probake CP, Calprona CP

Reach Registration number:

Not registered; exempted as Food and Feed additive

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

Use of the Substance/Mixture

Preservative for food and feed products

Recommended restrictions on use

Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Niacet b.v.

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NETHERLANDS

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Emergency telephone number

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For Niacet Corporation, Niagara Falls, U.S.A. products: Chemtrec +1 (800) 424 9300, +1 (703) 527 3887

Section 2: Hazard(s) Identification

Classification of the substance or mixture

USA: This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

EU: Not a hazardous substance or mixture according to Regulation (EC) No. 1907/2006 and 1272/2008.

Label elements

USA: Not classified; No label required according to 29 CFR 1910.1200.

EU: Not a hazardous substance or mixture according to Regulation (EC) No. 1907/2006 and 1272/2008.

Other hazards

None known.

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Section 3: Composition/Information on Ingredients

Substances :

Calcium propionate : CAS 4075-81-4
EINECS 223-795-8

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

Remove to fresh air. Keep patient warm and at rest. In case of feeling unwell, consult a physician.

Skin contact

Rinse with water.

Eye contact

Rinse with plenty of water. If symptoms persist, call a physician.

Ingestion

Rinse mouth with water. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Treatment : No information available.

Section 5: Fire-Fighting Measures

Extinguishing media

Water spray, Foam, Dry Chemical or Carbon dioxide (CO₂)

Unsuitable extinguishing media: None

Special hazards arising from the substance or mixture

No hazards to be specially mentioned.

Special protective actions for fire-fighters

Standard equipment for firefighting.

Specific methods

The product is not classified as flammable.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. For personal protection, see section 8.

Environmental precautions

Try to prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Smaller spills can be flushed away with plenty of water to remove the product. Dispose of in compliance with local and national regulations.

Section 7: Handling and Storage

Precautions for safe handling

Keep container closed when not in use. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry place at ambient temperature. Store in original container. Materials to avoid: none known.

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Specific end uses

Food additive, Feed additive, Preservative.

Section 8: Exposure Controls/Personal Protection

Exposure Limit Values

No Limits set

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment

Hand protection

Glove material: PVC

Glove material: Rubber gloves

Eye protection

Safety glasses with side-shields conforming to EN166.

Skin and body protection

Work clothing.

Respiratory protection

Respirator must be worn if exposed to dust. Respirator with a particle filter (EN 143) (filter P1).

Section 9: Physical and Chemical Properties

Appearance (physical state, color, etc.): white solid, powder, granules

Odor: odorless

Odor threshold: No information available

pH: 7.5 - 9 (10 % w/w)

Melting point/freezing point: No information available

Initial boiling point and boiling range: No information available

Flash point: No information available

Evaporation rate: No information available

Flammability (solid, gas): Not classified as flammable

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No information available

Vapor density: No information available

Relative density: 350 - 530 kg/m³ / 22 - 33 lb/ft³

Solubility(ies): 428 kg/m³ (0°C) / 26.7 lb/ft³ (32°F)

Partition coefficient: n-octanol/water: No information available

Auto-ignition temperature: No information available

Decomposition temperature: >250°C / >482°F

Viscosity: No information available

Section 10: Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under normal conditions.

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Possibility of hazardous reactions

Hazardous reactions:

None known.

Conditions to avoid

Conditions to avoid:

Stable under recommended storage conditions.

The product is slightly hygroscopic.

Incompatible materials

Materials to avoid:

No data available

Hazardous decomposition products

Hazardous decomposition products:

No data available

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

LD50/Oral/rat: 5000 mg/kg

Irritation and corrosion

Skin:

Not classified as irritating for skin.

Eyes:

Not classified as irritating for eyes.

Sensitisation

No data available

Long term toxicity

No data available

Human experience

Inhalation

Exposure to dust at high concentrations may cause Irritation.

Skin contact

Repeated or prolonged exposure may cause mild irritation.

Eye contact

May cause mild irritation.

Section 12: Ecological Information

Ecotoxicity effects

Aquatic toxicity

no data available

Toxicity to other organisms

no data available

Persistence and degradability

Biological degradability:

Readily biodegradable

Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient: No information available

Mobility in soil

Mobility

Water solubility: 428 kg/m³ (0°C) / 26.7 lb/ft³ (32°F)

Water soluble. Stays in water phase. non-volatile

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Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Section 13: Disposal Considerations

Waste treatment methods

Product

Dispose of in compliance with local and national regulations.

Section 14: Transport Information

UN number

Land transport

Not classified as dangerous in the meaning of transport regulations

Sea transport

Not classified as dangerous in the meaning of transport regulations

Air transport

Not classified as dangerous in the meaning of transport regulations

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are exempted from listing.

Water contaminating class: WGK 1 slightly water endangering
(Germany)

Section 16: Other Information

Last revised on 14 February 2023 by Niacet EHSQ department

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.