



# SAFETY DATA SHEET

## Calcium Propionate

Ref. 40049/4.0/REG\_EU/EN

Revision Date: 12.03.2015

Previous date: 15.08.2013

Print Date:12.03.2015

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product information

#### Commercial Product Name

Calcium Propionate

### 1.2 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.

### 1.3 Details of the supplier of the safety data sheet

Niacet b.v.  
P.O. Box 60  
4000 AB Tiel  
NETHERLANDS  
Telephone +31 344-615224, Telefax. +31 344-611475  
Tiel@Niacet.nl

Niacet Corporation  
400 47<sup>th</sup> Street  
Niagara Falls, NY  
14304 U.S.A.  
Telephone +1 716-285-1474 Telefax +1 716-285-1497  
niacetcsr@niacet.com

### 1.4 Emergency telephone number

For Niacet b.v.Tiel, The Netherlands products: +31 344-615224

For Niacet Corporation, Niagara Falls, U.S.A. products:

Chemtrec +1 (800) 424 9300, +1 (703) 527 3887

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EU) 1272/2008(CLP)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.



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### 2.2 Label elements

#### Labelling according to Regulation (EU) 1272/2008(CLP)

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

### 2.3 Other hazards

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical nature : Calcium propionate (CAS: 4075-81-4, EINECS: 223-795-8)  
Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### Inhalation

Remove to fresh air. Keep patient warm and at rest. In case of feeling sick 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.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

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

Treatment : No information available.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Extinguishing media : Water spray



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Foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)

### 5.2 Special hazards arising from the substance or mixture

No information available.

### 5.3 Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Splash proof protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

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

### 6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. After cleaning must be rinsed with plenty of water. Dispose of in compliance with local and national regulations.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Keep container tightly closed. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in closed original packing, dry and at room temperature.

Materials for packaging

Suitable material: original container

Materials to avoid:

no data available

### 7.3 Specific end uses

Food additive



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Exposure Limit Values

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

#### 8.2.2 Individual protection measures, such as personal protective equipment

##### Hand protection

Protective gloves complying with EN 374.

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)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### General Information (appearance, odour)

Physical state solid, powder, granules

Colour white

Odour odourless

#### Important health safety and environmental information

pH 7,5 - 9 (10 g/l)

Flash point no data available

Dust explosion description number Kst: 77 m.b./s



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<b>Minimum ignition energy</b>	0,1 - 10 kJ
<b>Explosive properties:</b>	
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Vapour pressure</b>	no data available
<b>Density</b>	350 - 530 kg/m <sup>3</sup> loose
<b>Solubility(ies):</b>	
<b>Water solubility</b>	428 kg/m <sup>3</sup> ( 0 °C) 484 kg/m <sup>3</sup> ( 100 °C)
<b>Thermal decomposition</b>	> 250 °C

### 9.2 Other data

<b>Surface tension</b>	no data available
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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

### 10.4 Conditions to avoid

Conditions to avoid : Stable under normal conditions.  
Slightly hygroscopic.

### 10.5 Incompatible materials

Materials to avoid : no data available

### 10.6 Hazardous decomposition products

Thermal decomposition : >250 °C

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects



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### Acute toxicity

LD50/Oral/rat: 5.000 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

Other information

no data available

### Human experience

Inhalation  
Exposure to dust at high concentrations. May cause irritation of respiratory tract.  
Skin contact  
Repeated or prolonged exposure May cause mild irritation.  
Eye contact  
May cause mild irritation.

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity effects

Aquatic toxicity  
no data available

### Toxicity to other organisms

no data available



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### 12.2 Persistence and degradability

Biological degradability:

Readily biodegradable

### 12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

### 12.4. Mobility in soil

#### Mobility

Water solubility: 428 kg/m<sup>3</sup> ( 0 °C)

484 kg/m<sup>3</sup> ( 100 °C)

Surface tension: no data available

Water soluble. Stays in water phase. non-volatile

### 12.5. Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

None known.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product

Dispose of in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION

### 14.1 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.

### 14.6 Special precautions for user



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Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

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

Other regulations : None known.

#### 15.2 Chemical Safety Assessment

not applicable

### 16. OTHER INFORMATION

#### Training advice

Read the safety data sheet before using the product.

#### 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.

#### Sources of key data used to compile the Safety Data Sheet

Regulations, databases, literature, own tests.

#### Additions, Deletions, Revisions

Relevant changes have been marked with vertical lines.