



## JIANGSU MUPRO IFT CORP.

West of Economic Development Zone, Guannan, Lianyungang, Jiangsu, China

### Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP)

Trade Name: Calcium Propionate – FOOD GRADE

Version: 4th edition

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Revision Date: 11.10.2020

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier:

###### 1.1.1 Substances

**Substance name:** Calcium Propionate

**CAS No:** 4075-81-4

**EC No:** 223-795-8

**Specification:** Food Grade

###### 1.1.2 Other means of identification:

**Molecular Weight:** 186.22

**Chemical formula:** C<sub>6</sub>H<sub>10</sub>O<sub>4</sub>Ca

**E-Number:** E-282

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

###### 1.2.1 Relevant identified uses:

Preservative for food and feed products.

###### 1.2.2 Uses advised against:

No uses advised against.

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

###### Supplier:

**Name:** Jiangsu Mupro IFT Corp.

**Address:** West of Economics Development District, Guannan, Lianyungang, Jiangsu, China

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**Information contact:** +86-518-85817706

**Email (competent person):** sales@muprofood.com

## 1.4 EMERGENCY TELEPHONE NUMBER:

+86-518-83375689

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture:

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)	SCL and/or M-factor	Classification procedure
-	-	-

Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC	SCL and/or M-factor	Classification procedure
--	-	-

### 2.2 Label elements

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

#### Hazard pictograms:



GHS07

#### Signal word:

Warning

#### Hazard statements:

H332 - Harmful if inhaled.

H311 - Toxic in contact with skin.

#### Precautionary statements:

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

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P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

## 2.3 Other hazard

N/A.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

**Substance name:** Calcium Propionate

**CAS No:** 4075-81-4

**EC No:** 223-795-8

**Purity:** 100%

**Stabilizers:** N/A

**Hazard impurities:** N/A

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.

**Ingestion:** Do not induce vomiting. Call a physician or Poison Control Center immediately.

**Skin contact:** Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

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

N/A

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## 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

## SECTION 5: Firefighting measures

The product does not present any particular risk in case of fire.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

### 5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Dust can form an explosive mixture in air.

### 5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

### 6.2 Environmental precautions

Should not be released into the environment.

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

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

### 6.4 Reference to other sections

For emergency contact information, see sections 1.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only under a chemical fume hood. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

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

Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3 Specific end use(s):

Food Additive

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values:

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Biological limit values:

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

#### Exposure limits at intended use

N/A

### 8.2 Exposure controls

#### Engineering Measures:

Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Person Protective measures:

**Respiratory protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hand protection:** Wear protective disposable gloves to prevent skin exposure.

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**Eye protection:** Wear protective safety glasses.

**Skin protection:** Wear appropriate long-sleeved clothing to minimize skin contact.

**Environmental exposure controls:** Not available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State	Solid
Appearance	White
Upper/lower flammability or explosive limits	N/A
Odor	Odorless
pH	7 - 10 1% aq.sol.
Relative Density	0.45-0.53 g/cm <sup>3</sup>
Vapor Pressure	No information available.
Odor threshold	N/A
Vapor Density	No information available.
Boiling Point/Range	No information available.
Melting Point/Range	300°C / 572°F
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Partition coefficient: n-octanol/water	N/A
Flash Point	No information available.
Auto ignition Temperature	>200°C
Decomposition temperature	1012K
Viscosity	N/A
Water Solubility	260 g/L (20°C)
Molecular Formula	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> Ca
Molecular Weight	186.22

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product does not present hazards by their reactivity.

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## 10.2 Chemical stability

Stable under ordinary conditions of use and storage.

## 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

## 10.4 Conditions to avoid

Avoid temperatures near or above the flash point. Keep away from heat, sparks and open flame. Protect against moisture.

## 10.5 Incompatible materials

Keep away from oxidizing agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

## 10.6 Hazardous Decomposition products:

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

### Toxicological information

Name	Acute toxicity			
	Type	Test	Kind	Value
Calcium Propionate CAS NO: 4075-81-4 EC NO: 223-795-8	Oral	LD50	Rat	2600mg/kg

## SECTION 12: Ecological information

### 12.1 Toxicity:

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N/A

## 12.2 Persistence and Degradability:

No information is available about persistence and degradability of the product.

## 12.3 Bioaccumulative potential:

N/A

## 12.4 Mobility in soil

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

Not available

## 12.6 Other adverse effects:

None

## SECTION 13: Disposal considerations

**Methods of disposal:** Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation. Follow the provisions of Directive 2008/98/EC regarding waste management.

## SECTION 14: Transport information

### International transport regulations

**Transport information: Not regulated by IMO/IMDG.**

### 14.1 Un number:

ADR/RID: -

IMDG: -

IATA: -

### 14.2 Proper shipping name:

ADR/RID: Not regulated

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**IMDG:** Not regulated

**IATA:** Not regulated

## 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

## 14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

## 14.5 Environmental hazard

**Marine Pollutant:** No

## 14.6 Special precautions for user

Not available

## 14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code

Not available

## SECTION 15: Regulatory information

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

EU Directives 67/548/EEC and 1999/45/EC (including amendments)

EU Regulation (EC) No.1907/2006 (REACH), No 1272/2008 (CLP)

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European parliament and of the council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates.

### 15.2 Chemical safety assessment

There has been no evaluation a chemical safety assessment of the product.

## SECTION 16: Other information

**Training advice:** Before using/handling the product one must read carefully present

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MSDS.

Further information: N/A



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