SECTION 1: Identification

1.1. Identification
Product form: Substance
Substance name: Calcium Lactate Anhydrous
CAS-No.: 814-80-2
Formula: Ca(C\(_3\)H\(_5\)O\(_3\)\(_2\)

1.2. Recommended use and restrictions on use
Use of the substance/mixture: Pharmaceuticals, Nutrient; Dietary Supplement

1.3. Supplier
Manufacturer
Jost Chemical Co.
8150 Lackland Rd.
Saint Louis, Missouri 63114
T 314-428-4300 - F 314-428-4366
sds@jostchemical.com - www.jostchemical.com

1.4. Emergency telephone number
Emergency number: For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night
United States and Canada: 1-800-424-9300 / +1 703-527-3887
Global: +1 703-741-5970

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Not classified

2.2. GHS Label elements, including precautionary statements
GHS-US labeling
No labeling applicable

2.3. Other hazards which do not result in classification
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Substance type: Mono-constituent

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Lactate Anhydrous</td>
<td>(CAS-No.) 814-80-2</td>
<td>100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements: see section 16

3.2. Mixtures
Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Wash skin with plenty of water.
First-aid measures after eye contact: Rinse eyes with water as a precaution.
First-aid measures after ingestion: Call a poison center/doctor/physician if you feel unwell.
### Calcium Lactate Anhydrous

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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#### 4.2. **Most important symptoms and effects (acute and delayed)**

| Symptoms/effects after inhalation | None under normal use. |
| Symptoms/effects after skin contact | Red skin. |
| Symptoms/effects after eye contact | May cause slight irritation. |
| Symptoms/effects after ingestion | No effects known. |

#### 4.3. **Immediate medical attention and special treatment, if necessary**

Treat symptomatically.

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### SECTION 5: Fire-fighting measures

#### 5.1. **Suitable (and unsuitable) extinguishing media**

| Suitable extinguishing media | Water spray. Dry powder. Foam. |

#### 5.2. **Specific hazards arising from the chemical**

| Fire hazard | Not flammable. |
| Explosion hazard | No direct explosion hazard. |
| Reactivity | The product is non-reactive under normal conditions of use, storage and transport. |

#### 5.3. **Special protective equipment and precautions for fire-fighters**

| Firefighting instructions | Cool down the containers exposed to heat with a water spray. Dilute toxic gases with water spray. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

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### SECTION 6: Accidental release measures

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

##### 6.1.1. **For non-emergency personnel**

| Emergency procedures | Ventilate spillage area. |

##### 6.1.2. **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". |

#### 6.2. **Environmental precautions**

Avoid release to the environment.

#### 6.3. **Methods and material for containment and cleaning up**

| For containment | Collect all waste in suitable and labeled containers and dispose according to local legislation. |
| Methods for cleaning up | Mechanically recover the product. |
| Other information | Dispose of materials or solid residues at an authorized site. |

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### SECTION 7: Handling and storage

#### 7.1. **Precautions for safe handling**

| Precautions for safe handling | Ensure good ventilation of the work station. Wear personal protective equipment. |
| Hygiene measures | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

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

| Technical measures | Comply with applicable regulations. Does not require any specific or particular technical measures. |
| Storage conditions | Store in a clean, dry warehouse in the original unopened containers. Store in a well-ventilated place. Keep cool. |
| Incompatible products | Strong oxidizing agents. |

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### SECTION 8: Exposure controls/personal protection

#### 8.1. **Control parameters**

No additional information available
8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.
Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Materials for protective clothing:
Wear suitable protective clothing, gloves and eye/face protection

Hand protection:
Gloves

Eye protection:
Safety glasses

Skin and body protection:
In case of dust production: dustproof clothing

Respiratory protection:
Dust production: dust mask with filter type P1

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>White powder.</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
</tr>
<tr>
<td>Odor</td>
<td>slight</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>240 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>218.22 g/mol</td>
</tr>
<tr>
<td>Solubility</td>
<td>Partially soluble.</td>
</tr>
<tr>
<td>Water: 9 g/100ml</td>
<td></td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
</tbody>
</table>
## Calcium Lactate Anhydrous
### Safety Data Sheet

### Section 1: Identification
**Chemical name:** Calcium Lactate Anhydrous
**Manufacturer:** [Manufacturer Information]
**Supplier:** [Supplier Information]
** RTECS Number:** [RTECS Information]
**CAS Number:** [CAS Number Information]
**UN Number:** [UN Number Information]

### Section 2: Hazard Identification
- **Classification:** [Classification Information]
- **Hazard statement:** [Hazard Statement Information]
- **Precautionary statement:** [Precautionary Statement Information]
- **Target organ:** [Target Organ Information]

### Section 3: Composition
- **Type of substance:** [Type of Substance Information]
- **Composition information:** [Composition Information]

### Section 4: First Aid Measures
- **Inhalation:** [Inhalation Information]
- **Skin contact:** [Skin Contact Information]
- **Eye contact:** [Eye Contact Information]
- **Ingestion:** [Ingestion Information]

### Section 5: Fire-fighting measures
- **Extinguishing media:** [Extinguishing Media Information]
- **Special hazards of the fire-fighter:** [Special Hazards Information]

### Section 6: Accidental Release Measures
- **Spill procedures:** [Spill Procedures Information]
- **Clean-up procedures:** [Clean-Up Procedures Information]

### Section 7: Handling and storage
- **Handling:** [Handling Information]
- **Stability information:** [Stability Information]
- **Hazardous reactions:** [Hazardous Reactions Information]
- **Incompatibility information:** [Incompatibility Information]
- **Hazardous decomposition products:** [Hazardous Decomposition Information]

### Section 8: Exposition Control/Personal Protection
- **Personal protective equipment:** [Personal Protective Equipment Information]
- **Control parameters:** [Control Parameters Information]

### Section 9: Physical and chemical properties
- **Identification of physical and chemical properties:** [Physical and Chemical Properties Information]
- **Viscosity:** [Viscosity Information]
- **Explosion properties:** [Explosion Properties Information]
- **Oxidizing properties:** [Oxidizing Properties Information]

### Section 10: Stability and Reactivity
- **Stability and reactivity information:** [Stability and Reactivity Information]
- **Reactivity:** [Reactivity Information]
- **Chemical stability:** [Chemical Stability Information]
- **Possibility of hazardous reactions:** [Possibility of Hazardous Reactions Information]
- **Conditions to avoid:** [Conditions to Avoid Information]
- **Incompatible materials:** [Incompatible Materials Information]
- **Hazardous decomposition products:** [Hazardous Decomposition Products Information]

### Section 11: Toxicological Information
- **Information on toxicological effects:** [Toxicological Effects Information]
- **Acute toxicity (oral):** [Acute Toxicity Oral Information]
- **Acute toxicity (dermal):** [Acute Toxicity Dermal Information]
- **Acute toxicity (inhalation):** [Acute Toxicity Inhalation Information]
- **Skin corrosion/irritation:** [Skin Corrosion/Irritation Information]
- **Serious eye damage/irritation:** [Serious Eye Damage/Irritation Information]
- **Respiratory or skin sensitization:** [Respiratory or Skin Sensitization Information]
- **Germ cell mutagenicity:** [Germ Cell Mutagenicity Information]
- **Carcinogenicity:** [Carcinogenicity Information]
- **Reproductive toxicity:** [Reproductive Toxicity Information]
- **Specific target organ toxicity – single exposure:** [Specific Target Organ Toxicity Single Exposure Information]
- **Specific target organ toxicity – repeated exposure:** [Specific Target Organ Toxicity Repeated Exposure Information]
- **Aspiration hazard:** [Aspiration Hazard Information]
- **Viscosity, kinematic:** [Viscosity Kinematic Information]
- **Symptoms/effects after inhalation:** [Symptoms/Effects Inhalation Information]
- **Symptoms/effects after skin contact:** [Symptoms/Effects Skin Contact Information]
- **Symptoms/effects after eye contact:** [Symptoms/Effects Eye Contact Information]
- **Symptoms/effects after ingestion:** [Symptoms/Effects Ingestion Information]

### Section 12: Ecological Information
- **Toxicity:** [Toxicity Information]
- **Ecology - general:** [Ecology General Information]
- **Persistence and degradability:** [Persistence and Degradability Information]
- **Bioaccumulative potential:** [Bioaccumulative Potential Information]
12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods
Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not regulated

Transportation of Dangerous Goods
Proper Shipping Name (Transportation of Dangerous Goods): Not regulated for transport

Transport by sea
Proper Shipping Name (IMDG): Not regulated for transport

Air transport
Proper Shipping Name (IATA): Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations
Calcium Lactate Anhydrous (814-80-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA
Calcium Lactate Anhydrous (814-80-2)
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations
Calcium Lactate Anhydrous (814-80-2)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations
Calcium Lactate Anhydrous (814-80-2)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on INSO (Mexican national Inventory of Chemical Substances)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
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15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

NFPA health hazard: 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
NFPA reactivity: 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating
Health: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability: 0 Minimal Hazard - Materials that will not burn
Physical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.