SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product code: C1131
Product Name: CALCIUM STEARATE, FCC

Other means of identification

Synonyms: Octadecanoic Acid, Calcium Salt
Calcium distearate
Calstar

CAS #: 1592-23-0
RTECS #: WI3000000
CI#: Not available

Recommended use of the chemical and restrictions on use

Uses advised against: No information available

Supplier: Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA  90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com
Emergency telephone number: Chemtrec 1-800-424-9300
Contact Person: Tom Tyner (USA - West Coast)
Contact Person: Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

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

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label elements

Not classified

Hazard not otherwise classified (HNOC)

Not Applicable

Other hazards
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No</th>
<th>Weight-%</th>
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<tbody>
<tr>
<td>Calcium Stearate</td>
<td>1592-23-0</td>
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4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms: May cause eye/skin irritation

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Water spray mist or foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous combustion products: Carbon Monoxide, Carbon Dioxide. Calcium oxides.

Specific hazards: May be combustible at high temperatures.

Special Protective Actions for Firefighters
Specific Methods: No information available

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions: Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

Safe Handling Advice: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

Incompatible Materials:
Acids
Alkalis
Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

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<th>NIOSH</th>
<th>ACGIH</th>
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Product code: C1131
Product name: CALCIUM STEARATE, FCC

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### Canada

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### Australia and Mexico

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</table>

### Appropriate engineering controls

#### Engineering measures to reduce exposure:
Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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

#### Personal Protective Equipment

- **Eye protection:** Safety glasses with side-shields. or Goggles
- **Skin and body protection:** Long sleeved clothing, Chemical resistant apron, Gloves
- **Respiratory protection:** Effective dust mask. or Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.
- **Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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<th>Physical state:</th>
<th>Appearance:</th>
<th>Color:</th>
<th>Molecular/Formula weight (g/mole):</th>
<th>Flammability (solid, gas):</th>
<th>Formula</th>
<th>Flashpoint (°C/°F):</th>
<th>Autoignition Temperature (°C/°F):</th>
<th>Lower Explosion Limit (%):</th>
<th>Boiling point/range(°C/°F):</th>
<th>Decomposition temperature(°C/°F):</th>
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<tr>
<td>Solid</td>
<td>Powder</td>
<td>White. Off-white. Yellowish White.</td>
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**Product code:** C1131 **Product name:** CALCIUM STEARATE, FCC
10. STABILITY AND REACTIVITY

Reactivity
Reactive with acids
Reactive with alkalis
Reactive with oxidizing agents

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid:

Incompatible Materials:
Acids
Alkalis
Strong oxidizing agents

Hazardous decomposition products:
Carbon monoxide. Carbon dioxide. Calcium oxides. When heated to decomposition it emits acrid smoke and irritating fumes.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Inhalation.

Acute Toxicity

Component Information

Product code: C1131
Product name: CALCIUM STEARATE, FCC
Calcium Stearate

<table>
<thead>
<tr>
<th>CAS No</th>
<th>1592-23-0</th>
</tr>
</thead>
</table>

- **LD50/oral/rat** = > 10 g/kg Oral LD50 Rat
- **LD50/oral/mouse** = >10000 mg/kg
- **LD50/dermal/rabbit** = No information available
- **LD50/dermal/rat** = No information available
- **LC50/inhalation/rat** = No information available
- **LC50/inhalation/mouse** = No information available
- **Other LD50 or LC50 information** = No information available

**Product Information**

- **LD50/oral/rat** =
  - Value - Acute Toxicity = > 10000 mg/kg
- **LD50/oral/mouse** =
  - Value - Acute Tox = >10000 mg/kg
- **LD50/dermal/rabbit**
  - Value - Acute Toxicity = No information available
- **LD50/dermal/rat**
  - VALUE - Acute Tox = No information available
- **LC50/inhalation/rat**
  - VALUE-Vapor = No information available
  - VALUE-Gas = No information available
  - VALUE-Dust/Mist = No information available
- **LC50/inhalation/mouse**
  - VALUE-Vapor = No information available
  - VALUE-Gas = No information available
  - VALUE-Dust/Mist = No information available

**Symptoms**

- **Skin Contact:** May cause skin irritation.
- **Eye Contact:** May cause eye irritation.
- **Inhalation** May cause irritation of respiratory tract. Symptoms may include coughing and sneezing.
- **Ingestion** Health injuries are not known or expected under normal use. Not expected to be a health hazard.
- **Aspiration hazard** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Chronic Toxicity** No information available.
- **Sensitization:** No information available.
- **Mutagenic Effects:** No information available
Carcinogenic effects: No information available.

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<tr>
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<th>IARC</th>
<th>ACGIH - Carcinogens</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
<th>Australia - Notifiable Carcinogenic Substances</th>
<th>Australia - Prohibited Carcinogenic Substances</th>
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ACGIH (American Conference of Governmental Industrial Hygienists)
IARC (International Agency for Research on Cancer)
NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity: No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure: No information available.
STOT - repeated exposure: No information available.
Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available
Bioaccumulative potential: No information available.
Mobility in soil: No information available
Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products: Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal.
<table>
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</table>

**14. TRANSPORT INFORMATION**

**DOT**
- UN-No: Not Regulated
- Proper Shipping Name: No information available
- Hazard Class: No information available
- Subsidiary Class: No information available
- Packing group: No information available
- Emergency Response Guide Number: No information available
- Marine Pollutant: No data available
- DOT RQ (lbs): No information available
- Special Provisions: No Information available
- Symbol(s): No information available
- Description: No information available

**TDG (Canada)**
- UN-No: Not Regulated
- Proper Shipping Name: No information available
- Hazard Class: No information available
- Subsidiary Risk: No information available
- Packing Group: No information available
- Marine Pollutant: No Information available
- Description: No information available

**ADR**
- UN Number: Not regulated
- Proper Shipping Name: No information available
- Transport hazard class(es): No information available
- Packing group: No information available
- Subsidiary Risk: No information available

**IMDG**
- UN-No: Not Regulated
- Proper Shipping Name: No information available
- Hazard Class: No information available
- Subsidiary Risk: No information available
- Packing Group: No information available
- Marine Pollutant: No information available

**RID**
- UN Number: Not Regulated
- Proper Shipping Name: No information available
- Transport hazard class(es): No information available
- Subsidiary Risk: No information available
- Packing group: No information available

**ICAO (air)**
- UN-No: Not Regulated
- Proper Shipping Name: No information available
- Hazard Class: No information available
- Subsidiary Risk: No information available
- Packing Group: No information available
15. REGULATORY INFORMATION

International Inventories

<table>
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<tr>
<th>Component</th>
<th>CAS No</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS</th>
<th>China IECSC</th>
<th>Australia (AICS)</th>
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</table>

U.S. Regulations

Calcium Stearate
- FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1229
- List Sourced from EAFUS: 181.29, 184.1229


Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

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<th>Component</th>
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<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity:</th>
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CERCLA/SARA

<table>
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<tr>
<th>Component</th>
<th>CAS No</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and ROs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
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U.S. TSCA

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<thead>
<tr>
<th>Component</th>
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<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
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</table>
WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification

Information:

Component
Calcium Stearate
1592-23-0 ( 100 )

WHMIS 2015 Hazard Classification

Combustible Dust - Category 1: May form combustible dust concentrations in air (factors such as combustibility and explosiveness of dusts including composition and shape and size of particles could cause substance to belong to 'Combustible dust' hazard class)

Canada Hazardous Products Regulation

This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

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CEPA Schedule I - Toxic Substances

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CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting

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EU Classification

EU GHS - SV - CLP 1272/2008

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EU - CLP (1272/2008)

R-phrase(s)
not determined (not applicable)

S -phrase(s)
none

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The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:
None
Not dangerous

16. OTHER INFORMATION

Preparation Date: 1/24/2014
Revision date 11/6/2019

Product code: C1131
Product name: CALCIUM STEARATE, FCC
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet