SAFETY DATA SHEET

Preparation Date: 4/23/2014
Revision Date: 10/5/2018
Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: CA130
Product Name: CALCIUM CARBONATE, LIGHT POWDER, USP

Other means of identification

Synonyms:
- Carbonic acid, calcium salt (1:1)
- Calcium Monocarbonate
- Aglime
- Aragonite
- Atomite
- Calcite
- Chalk
- Limestone
- Carbonato de calico (Spanish)
- Carbonate de calcium (French)

CAS #: 471-34-1
RTECS #: FF9335000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use:
In manufacturing of paint, rubber, plastics, paper, dentifrices, ceramics, putty, polishes, insecticides, inks, shoe dressings; in foods, cosmetics, pharmaceuticals, antibiotics, crayons, linoleum, insulating compounds, welding rods; as a filler in production of adhesives, matches, pencils; removing acidity of wines; in analytical chemistry for detecting and determining halogens in organic combinations; neutralizing agent; source of lime; portland cement; whitewash.

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: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

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

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>100</td>
</tr>
</tbody>
</table>

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.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if irritation occurs.

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
- May cause gastrointestinal disturbances
- Ingestion may cause nausea, vomiting, and diarrhea
- May cause constipation
- Dryness of mouth
- Thirst
- May cause hypercalcemia
- Irregular heartbeat
- Hypertension
- May cause headache
- tiredness
- Weakness
- Drowsiness
- Confusion
- May affect the urinary system

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Product code: CA130
Product name: CALCIUM CARBONATE, LIGHT POWDER, USP
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: The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: If it is involved in a fire the following can be released: Calcium oxides. Carbon Oxides.

Specific hazards: The substance itself does not burn, but may decompose upon heating. When heated to decompositon it emits acrid smoke and irritating fumes. Will ignite and burn fiercely in contact with fluorine.

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. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Avoid dust formation.

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. Avoid creating dust. 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.

Product code: CA130
Product name: CALCIUM CARBONATE, LIGHT POWDER, USP
Safe Handling Advice
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Hygroscopic. Protect from moisture. 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
Fluorine
Aluminum powder
Ammonium salts
Magnesium sulfate
Mercury + Hydrogen

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

<table>
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<tr>
<th>Components</th>
<th>CAS-No.</th>
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<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WEEL</th>
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<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>None</td>
<td>10 mg/m³ TWA</td>
<td>None</td>
<td>None</td>
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Canada

<table>
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<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Canada - Alberta</th>
<th>Canada - British Columbia</th>
<th>Canada - Ontario</th>
<th>Canada - Quebec</th>
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<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>10 mg/m³ TWA</td>
<td>None</td>
<td>None</td>
<td>None</td>
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Australia and Mexico

<table>
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<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Australia</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>10 mg/m³ TWA</td>
<td>None</td>
</tr>
</tbody>
</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: Goggles
Skin and body protection: Long sleeved clothing

Product code: CA130
Product name: CALCIUM CARBONATE, LIGHT POWDER, USP
**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

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Appearance:</th>
<th>Color:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>Powder</td>
<td>White</td>
</tr>
</tbody>
</table>

**Odor:** None. Odorless.

**Molecular/Formula weight (g/mole):** 100.09

**Flammability:** No information available

**Flash Point Tested according to:** Not applicable

**Autoignition Temperature (°C/°F):** No information available

**Upper Explosion Limit (%):** No information available

**Boiling point/range(°C/°F):** No information available

**Melting point/range(°C/°F):** No information available

**Specific gravity:** No information available

**Evaporation rate:** No information available

**Odor threshold (ppm):** No information available

**Miscibility:** No information available

**Formula:** CaCO3

**Physical state:** Solid

**Appearance:** Powder

**Color:** White

**Odor:** None. Odorless

**Taste:** Chalky

**Formula:** CaCO3

**Flammability:** No information available

**Flashpoint (°C/°F):** No information available

**Autoignition Temperature (°C/°F):** No information available

**Lower Explosion Limit (%):** No information available

**Melting point/range(°C/°F):** No information available

**Density (g/cm3):** 2.7-2.9 @ 20 °C

**Vapor pressure @ 20°C (kPa):** No information available

**VOC content (g/L):** No information available

**Partition coefficient (n-octanol/water):** No information available

**Partition coefficient:** No information available

**Solubility:** Practically insoluble in water

Insoluble in Alcohol

Soluble in dilute acids with effervescence

## 10. STABILITY AND REACTIVITY

**Reactivity**

Reactive with acids

When a mixture of calcium carbonate and magnesium is heated in a current of hydrogen, a violent explosion occurs

Will ignite and burn fiercely in contact with fluorine

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Product code:** CA130

**Product name:** CALCIUM CARBONATE, LIGHT POWDER, USP

Incompatible Materials: Acids
Fluorine
Aluminum powder
Ammonium salts
Magnesium sulfate
Mercury + Hydrogen

Hazardous decomposition products: When heated to decomposition it emits acrid smoke and irritating fumes. Calcium oxides, carbon oxides.

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

<table>
<thead>
<tr>
<th>Calcium Carbonate</th>
<th>CAS-No.</th>
<th>471-34-1</th>
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</thead>
<tbody>
<tr>
<td>LD50/oral/rat = 6450 mg/kg Oral LD50 Rat</td>
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<tr>
<td>LD50/oral/mouse = No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50/dermal/rabbit = No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50/dermal/rat = No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50/inhalation/rat = No information available</td>
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<tr>
<td>LC50/inhalation/mouse = No information available</td>
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<tr>
<td>Other LD50 or LC50 information = No information available</td>
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<td></td>
</tr>
</tbody>
</table>

Product Information

| LD50/oral/rat = |
| VALUE- Acute Tox Oral = 6450 mg/kg |
| LD50/oral/mouse = |
| Value - Acute Tox Oral = No information available |
| LD50/dermal/rabbit |
| VALUE-Acute Tox Dermal = No information available |
| LD50/dermal/rat |
| VALUE - Acute Tox Dermal = No information available |
| LC50/inhalation/rat |
| VALUE-Vapor = No information available |
| VALUE-Gas = No information available |

Product code: CA130 Product name: CALCIUM CARBONATE, LIGHT POWDER, USP
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:** Dust or powder may cause eye irritation by mechanical action.

**Inhalation** May cause irritation of respiratory tract.

**Ingestion** Low hazard. May cause gastrointestinal disturbances. Ingestion may cause nausea, vomiting. May cause constipation.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** Chronic ingestion of large amounts may cause hypercalcemia, which is characterized by nausea, vomiting, constipation, anorexia (loss of appetite), fatigue, severe dryness of the mouth, acute drowsiness, fatigue, irritability, headache, confusion, mental depression, excessive/frequent and painful urination, high blood pressure (hypertension), fast or slow heartbeat. It may also cause hypophosphatemia, hypokalemia, metabolic alkalosis, leukocytosis. It may also affect the urinary system (kidneys) and cause hypercalcuria, alkaluria, kidney stones, and renal impairment. When larger doses of Calcium Carbonate are administered with milk or cream for the management of peptic ulcer, “milk-alkali syndrome” can occur. It is characterized by hypercalcemia and calcium deposits in the kidneys (kidney stones).

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not considered carcinogenic.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<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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<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
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<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
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</tr>
</tbody>
</table>

**Reproductive toxicity** No data is available

**Reproductive Effects:** No information available

**Developmental Effects:** No information available

**Teratogenic Effects:** No information available

**Product code:** CA130

**Product name:** CALCIUM CARBONATE, LIGHT POWDER, USP
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: 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

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<tr>
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<th></th>
</tr>
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<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</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

Product code: CA130
Product name: CALCIUM CARBONATE, LIGHT POWDER, USP
Description: No information available

ADR
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Packing Group: No information available
Subsidiary Risk: No information available

IMO / 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-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

ICAO
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

IATA
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
ERG Code: No information available
Special Provisions: No information available

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS (1)-122</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
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<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
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<td>Present</td>
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</table>

U.S. Regulations

Calcium Carbonate

- FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1191
- FDA - 21 CFR - Total Food Additives: 137.105, 137.350, 169.115, 175.300, 176.170, 177.1600, 177.1680, 177.2260, 178.3297, 181.29, 182.5191, 184.1191, 73.1070


Chemicals Known to the State of California to Cause Cancer:

Product code: CA130
Product name: CALCIUM CARBONATE, LIGHT POWDER, USP
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)

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity:</th>
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</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>Contains &gt;= 0.1% crystalline silica which is on the Prop. 65 carcinogen list (listed as silica, crystalline (airborne particles of respirable size))</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
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</table>

**CERCLA/SARA**

<table>
<thead>
<tr>
<th>Components</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 RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
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<td>Calcium Carbonate</td>
<td>471-34-1</td>
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**U.S. TSCA**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<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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<tbody>
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<td>Calcium Carbonate</td>
<td>471-34-1</td>
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<td>Not Applicable</td>
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**Canada**

**WHIMIS 2015 - GHS Classifications**

**WHIMIS 2015 Hazard Classification**

<table>
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<tr>
<th>Component</th>
<th>WHIMIS 2015 Hazard Classification</th>
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<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>Not a dangerous product according to HPR classification criteria</td>
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</table>

**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

**Inventory**

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<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Canada (DSL)</th>
<th>Canada (NDSL)</th>
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<thead>
<tr>
<th>Components</th>
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<th>Components</th>
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<td>Calcium Carbonate</td>
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**EU Classification**

**Product code:** CA130 **Product name:** CALCIUM CARBONATE, LIGHT POWDER, USP
Components
Calcium Carbonate 471-34-1

EU - CLP (1272/2008)

R-phrase(s)
not determined (not applicable)
none

S-phrase(s)
none

<table>
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<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
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<td>Calcium Carbonate</td>
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The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:
None.

16. OTHER INFORMATION

Preparation Date: 4/23/2014
Revision Date: 10/5/2018
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

Product code: CA130
Product name: CALCIUM CARBONATE, LIGHT POWDER, USP