1. IDENTIFICATION

Product identifier

Product code: XX992
Product Name: CALCIUM HYDROXIDE, REAGENT

Other means of identification

Synonyms:
- Calcium hydrate
- Carboxide
- Calcium dihydroxide de calcium (French)

CAS #: 1305-62-0
RTECS # EW2800000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use:
- Fireproofing coatings.
- Water treatment.
- Buffering agent.
- In paper manufacture process.
- In dental cement.
- In lubricants.
- In mortar, plaster, cement and other building and paving materials.
- In fungicides.
- In pesticides.
- In SBR rubber vulcanization.

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 considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

Label elements

Danger

Hazard statements

Product code: XX992
Product name: CALCIUM HYDROXIDE, REAGENT
Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
Not available

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear protective gloves
Wear eye/face protection

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements - Storage
Store in a well-ventilated place. Keep container tightly closed
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</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

Product code: XX992
Product name: CALCIUM HYDROXIDE, REAGENT
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.

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

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. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

**Symptoms**
- Causes skin irritation
- Causes serious eye damage
- Risk of serious damage to eyes
- Irritating to respiratory system
- Causes digestive (gastrointestinal) tract irritation
- Can burn mouth, throat, and stomach
- Severe abdominal pain
- Vomiting
- May cause diarrhea

**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:**

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:**

No information available.

**Specific hazards:**

No information available.

**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. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

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. Neutralize the residue with a dilute solution of acetic acid. 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:
Oxidizing agents
Metals
Acids
Organic anhydride
Aldehydes
Acrolein
Acetaldehyde
Trichloroethylene
Tetrahydrofuran
Phosphorus
Halogenated organic compounds
Nitro compounds
Potassium nitrate

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

Product code: XX992
Product name: CALCIUM HYDROXIDE, REAGENT
United States

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>OSHA</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WEEL</th>
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<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>15 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
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Canada

<table>
<thead>
<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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<tbody>
<tr>
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<td>1305-62-0</td>
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Australia and Mexico

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<th>Components</th>
<th>CAS-No.</th>
<th>Australia</th>
<th>Mexico</th>
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</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>5 mg/m³ TWA</td>
<td>5 mg/m³ TWA</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles
Skin and body protection: Chemical resistant apron, Gloves, Long sleeved clothing
Respiratory protection: Effective dust mask, or, Wear respirator with dust filter.
Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Appearance:</th>
<th>Color:</th>
<th>Formula:</th>
<th>Flashpoint (°C/°F):</th>
<th>Autoignition Temperature (°C/°F):</th>
<th>Lower Explosion Limit (%):</th>
<th>Decomposition temperature(°C/°F):</th>
<th>Melting point/range(°C/°F):</th>
<th>Bulk density:</th>
<th>Density (g/cm³):</th>
<th>Vapor pressure @ 20°C (kPa):</th>
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</thead>
<tbody>
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<td>White.</td>
<td>Ca(OH)₂</td>
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<td>No information available</td>
<td>No information available</td>
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<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
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<td></td>
</tr>
<tr>
<td>Molecular/Formula weight: 74.1 g/mole</td>
<td>Flammability: No information available</td>
<td>Formula: Ca(OH)₂</td>
<td>Flashpoint (°C/°F): No information available</td>
<td>Autoignition Temperature (°C/°F): No information available</td>
<td>Lower Explosion Limit (%): No information available</td>
<td>Decomposition temperature(°C/°F): 580°C (1076°F)</td>
<td>Melting point/range(°C/°F): No information available</td>
<td>Bulk density: No information available</td>
<td>Density (g/cm³): No information available</td>
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</tbody>
</table>

Product code: XX992 Product name: CALCIUM HYDROXIDE, REAGENT
10. STABILITY AND REACTIVITY

Reactivity
Reactive with oxidizing agents
Reactive with metals
Reactive with acids
Incompatible with organic anhydrides (e.g. acetic anhydride, maleic anhydride), aldehydes, acrolein, acetaldehyde, trichloroethylene, tetrahydrofuran, phosphorous, halogenated organic compounds, nitro compounds (e.g. nitromethane, nitroparaffins, nitropropane), polychlorinated phenols, and potassium nitrate
When chlorinated phenols are heated for analytical purposes with calcium hydroxide-potassium nitrate mixtures, chlorinated benzodioxins analogous to extremely toxic tetrachlorodibenzodioxin may be formed.
Loses water when ignited to form Calcium Oxide.
Contact with metals may evolve flammable hydrogen gas

Chemical stability
Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: Hazardous polymerization does not occur
Conditions to avoid: Incompatible materials.
Incompatible Materials: Oxidizing agents
Metals
Acids
Organic anhydride
Aldehydes
Acrolein
Acetaldehyde
Trichloroethylene
Tetrahydrofuran
Phosphorus
Halogenated organic compounds
Nitro compounds
Potassium nitrate

Evaporation rate: No information available
Vapor density: No information available
VOC content (g/L): No information available
Odor threshold (ppm): No information available
Partition coefficient (n-octanol/water): No information available
Viscosity: No information available
Miscibility: No information available
Solubility: Very slightly soluble in cold water
Very slightly soluble in hot water
Insoluble in Alcohol
Soluble in ammonium salt solutions
Soluble in Glycerol
Soluble in sugar or ammonium chloride solution
Soluble in acids with evolution of much heat.
Solubility in water: 0.185g/ 100mL
@0°C
Solubility in water: 0.077g/ 100mL
@100°C
Solubility in water:1.6-1.73g/ 100mL
@20°C
Hazardous decomposition products: No information available.

Other Information
Corrosivity: Non-corrosive in the presence of glass

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure: Inhalation. Ingestion. Skin.

Acute Toxicity

Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>LD50/oral/rat</th>
<th>LD50/oral/mouse</th>
<th>LD50/dermal/rabbit</th>
<th>LD50/dermal/rat</th>
<th>LC50/inhalation/rat</th>
<th>LC50/inhalation/mouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>7340 mg/kg Oral</td>
<td>7300 mg/kg Oral</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Product Information

<table>
<thead>
<tr>
<th>Component</th>
<th>VALUE - Acute Tox Oral</th>
<th>LD50/oral/rat</th>
<th>VALUE - Acute Tox Oral</th>
<th>LD50/oral/mouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>7340 mg/kg Oral</td>
<td>7340 mg/kg Oral</td>
<td>7300 mg/kg Oral</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>VALUE - Acute Tox Dermal</th>
<th>LC50/inhalation/rat</th>
<th>LC50/inhalation/mouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>No information available</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Symptoms

Product code: XX992  Product name: CALCIUM HYDROXIDE, REAGENT
Skin Contact: Causes skin irritation. Alkalis penetrate skin slowly. The extent of damage depends on the duration of contact.

Eye Contact: Causes serious eye irritation. Risk of serious damage to eyes. May cause "Lime Burns" of the eye. Clumps may lodge deep in the recesses of the eye, releasing calcium hydroxide over a long period of time. Severe burns of the cornea with possible damage to corneal nerves may occur.

Inhalation Causes severe irritation of the respiratory tract (nose, throat, lungs), and mucous membranes with coughing, wheezing and/or shortness of breath. The material may be destructive to tissue of the mucous membranes and upper respiratory tract.

Ingestion Causes gastrointestinal tract irritation with vomiting, diarrhea, severe pain. Vomitus may contain blood and desquamated mucosal lining. May cause delayed gastrointestinal burns and perforation (gastric or esophageal) with severe abdominal pain and rapid fall in blood pressure.

Aspiration hazard No information available.

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

Chronic Toxicity Prolonged skin contact may cause skin irritation and/or dermatitis.

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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</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
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</tr>
</tbody>
</table>

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 STOT - single exposure. Respiratory system.

STOT - repeated exposure No information available.

Target Organs: No information available.

Ecotoxicity

Product code: XX992 Product name: CALCIUM HYDROXIDE, REAGENT
Ecotoxicity effects: Aquatic environment.

Calcium Hydroxide - 1305-62-0

Freshwater Fish Species Data: 160 mg/L LC50 Gambusia affinis 96 h static 1

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

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
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</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
- **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

**Product code:** XX992  **Product name:** CALCIUM HYDROXIDE, REAGENT
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
ERG Code: No information available
Special Provisions: 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>
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<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
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<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>PresentACTIV E</td>
<td>Present KE-04518</td>
<td>Present</td>
<td>Present (1)-181</td>
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<td>Present 215-137-3</td>
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</table>

U.S. Regulations

Calcium Hydroxide

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 0322
Pennsylvania RTK: Present
Minnesota - Hazardous Substance List: Present
California Directors List of Hazardous Substances: Present
FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1205
FDA - 21 CFR - Total Food Additives 135.110, 176.180, 176.210, 184.1205, 73.85


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)
<table>
<thead>
<tr>
<th>Components</th>
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<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
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<tr>
<td>Calcium Hydroxide</td>
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</table>

**CERCLA/SARA**

<table>
<thead>
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<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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<tbody>
<tr>
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<td>1305-62-0</td>
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**U.S. TSCA**

<table>
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<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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<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
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</tbody>
</table>

**Canada**

**WHIMIS 2015 - GHS Classifications**

WHMIS 2015 Hazard Classification Information:

Component: Calcium Hydroxide 1305-62-0 (100)

WHMIS 2015 Hazard Classification
- Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.

**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.

**WHMIS 1988 Hazard Class**
- E Corrosive material

**Components**
- Calcium Hydroxide

**Canada Controlled Products Regulation:**
- This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

**Components**
- Calcium Hydroxide

**WHIMIS Ingredient Disclosure List -**
- Calcium Hydroxide 1 %

**Inventory**

<table>
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<tr>
<th>Components</th>
<th>CAS-No.</th>
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<th>Canada (NDSL)</th>
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<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>Present</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>CEPA Schedule I - Toxic Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

**Components**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

**EU Classification**

**Product code:** XX992

**Product name:** CALCIUM HYDROXIDE, REAGENT
Components | CAS-No. | EU GHS - SV - CLP (1272/2008)
--- | --- | ---
Calcium Hydroxide | 1305-62-0 | No information

EU - CLP (1272/2008)

**R-phrase(s)**
R41 - Risk of serious damage to eyes.
R38 - Irritating to skin.

**S-phrase(s)**
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td></td>
<td></td>
<td>No information</td>
</tr>
</tbody>
</table>

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

**Indication of danger:**
Xi - Irritant.

**Xi**

16. OTHER INFORMATION

| Preparation Date: | 7/7/2015 |
| Revision Date:    | 7/6/2018 |
| 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