

# Calcium Based Co-Products

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022  
Issue date: 2025-06-18 Revision date: 2025-11-04 Supersedes: 2025-06-18 Version: 1.1

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Product name : Calcium Based Co-Products  
Product code : Not available

#### 1.2. Other means of identification

Synonyms : Solid  
Other means of identification : Baghouse Lime, Cal-Ag, and Calcined Boost

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Neutralization, stabilization, absorption, dolomitic agricultural liming material.

#### 1.4. Supplier's details

##### Manufacturer

GRAYMONT  
#200-10991 Shellbridge Way  
Richmond, BC, V6X 3C6  
Canada  
T 1 604 207-4292; Toll free 1 866 207-4292 - F 1 604 207-9014  
[www.graymont.com](http://www.graymont.com)

##### Distributor

GRAYMONT  
585 W Southridge Way  
Sandy, Utah, 84070  
United States  
T +1 801-262-3942

#### 1.5. Emergency phone number

Emergency number : CHEMTREC 1 (800) 424-9300  
CHEMTREC International +1 (703) 527-3887 24 hr

### SECTION 2 Hazard identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 1  
Carcinogenicity, Category 1A  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation  
Specific target organ toxicity, Repeated exposure, Category 1

#### 2.2. Label elements

##### GHS labelling

Hazard pictograms (GHS) :



Signal word (GHS) :

Danger

Hazard statements (GHS) :

Causes skin irritation  
Causes serious eye damage  
May cause respiratory irritation  
May cause cancer (inhalation).  
Causes damage to organs (lungs) through prolonged or repeated exposure

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|                                |  |
|--------------------------------|--|
| Precautionary statements (GHS) | : Obtain special instructions before use.<br>Do not handle until all safety precautions have been read and understood.<br>Do not breathe dust, fume, gas, mist, vapours, spray.<br>Wash hands, forearms and face thoroughly after handling.<br>Do not eat, drink or smoke when using this product.<br>Use only outdoors or in a well-ventilated area.<br>Wear protective gloves<br>If exposed or concerned: Get medical advice/attention.<br>If on skin: Wash with plenty of water.<br>Take off contaminated clothing and wash it before reuse.<br>If skin irritation occurs: Get medical advice or attention.<br>If inhaled: Remove person to fresh air and keep comfortable for breathing.<br>Call a poison center or doctor if you feel unwell.<br>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>Immediately call a poison center or doctor.<br>Store in a well-ventilated place. Keep container tightly closed.<br>Store locked up.<br>Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations. |
|--------------------------------|--|

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

Not applicable

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name              | Chemical name / Synonyms   | Product identifier | %Weight |
|-------------------|--|--------------------|---------|
| Calcium hydroxide | Calcium hydroxide<br>Calcium dihydroxide / Calcium hydroxide (Ca(OH)2) / Hydrated lime / Lime, hydrated / CALCIUM HYDROXIDE / Slaked lime  | CAS-No.: 1305-62-0 | 30 - 60 |
| Limestone         | Limestone<br>Chalk / Limestone (A noncombustible solid characteristic of sedimentary rock. It consists primarily of calcium carbonate.) / Natural calcium carbonate / Marble / Calcium carbonate / Limestone (sedimentary rock) / Calcite / Limestone ground / Acetate, 4-methyl-2-propyl-2H-tetrahydropyran-4-yl / Ground limestone | CAS-No.: 1317-65-3 | 15 - 40 |

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| Name          | Chemical name / Synonyms   | Product identifier | %Weight |
|---------------|--|--------------------|---------|
| Calcium oxide | Calcium oxide<br>Lime / Quicklime / CALCIUM OXIDE<br>/ Quicklime (CaO) / Calcium oxide<br>(CaO) / Lime (calcium oxide) | CAS-No.: 1305-78-8 | 3 - 10  |

Comments : Crystalline silica has been found in some products at or above detection level 0.1%.  
Concentration is dependent upon limestone source.  
Any concentration shown as a range is to protect confidentiality or is due to batch variation. If a generic chemical name is shown and/or the CAS number is not disclosed, the specific chemical identity has been withheld as a trade secret.

## SECTION 4 First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general : If exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.  
First-aid measures after skin contact : If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.  
First-aid measures after eye contact : 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/doctor. Treat with Diphoterine if exposure occurs in Canada where it is permitted for use as an emergency rinsing solution.  
First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.  
Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.  
Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.  
Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
Chronic symptoms : May cause cancer. Causes damage to organs through prolonged or repeated exposure.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

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

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.  
Unsuitable extinguishing media : Do not use water jet.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapours.

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

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

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### SECTION 6 Accidental release measures

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

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

For non-emergency personnel

No additional information available

For emergency responders

Environmental precautions : Prevent entry to sewers and public waters.

#### 6.2. Methods and materials for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Minimise dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

For further information refer to section 8: "Exposure controls/personal protection"

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Good housekeeping is important to prevent accumulation of dust. Ensure adequate natural or mechanical ventilation in the form local or general exhaust ventilation is in use to ensure exposure is below established regulatory limits. If ventilation is not adequate, use respiratory protection in the form of a CSA/NIOSH- Approved Particulate Filtering Facepiece Respirators such as an N95 respirator or equivalent.

Hygiene measures : Wash contaminated clothing before reuse. Wash hands, forearms and face thoroughly after handling.

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

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Store locked up. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area.

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

| Calcium hydroxide (1305-62-0)                            |         |
|--|---------|
| Canada (Alberta) - Occupational Exposure Limits          |         |
| OEL TWA  | 5 mg/m³ |
| Canada (British Columbia) - Occupational Exposure Limits |         |
| OEL TWA  | 5 mg/m³ |

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|  |  |
|--|--|
| <b>Calcium hydroxide (1305-62-0)</b>                                     |  |
| <b>Canada (Manitoba) - Occupational Exposure Limits</b>                  |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| <b>Canada (New Brunswick) - Occupational Exposure Limits</b>             |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| <b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b> |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| <b>Canada (Northwest Territories) - Occupational Exposure Limits</b>     |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| OEL STEL   | 10 mg/m <sup>3</sup>   |
| <b>Canada (Nova Scotia) - Occupational Exposure Limits</b>               |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| <b>Canada (Nunavut) - Occupational Exposure Limits</b>                   |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| OEL STEL   | 10 mg/m <sup>3</sup>   |
| <b>Canada (Prince Edward Island) - Occupational Exposure Limits</b>      |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| <b>Canada (Ontario) - Occupational Exposure Limits</b>                   |  |
| OEL TWA <sub>EV</sub>  | 5 mg/m <sup>3</sup>  |
| <b>Canada (Quebec) - Occupational Exposure Limits</b>                    |  |
| VEMP (OEL TWA <sub>EV</sub> )  | 5 mg/m <sup>3</sup>  |
| <b>Canada (Saskatchewan) - Occupational Exposure Limits</b>              |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| OEL STEL   | 10 mg/m <sup>3</sup>   |
| <b>Canada (Yukon) - Occupational Exposure Limits</b>                     |  |
| OEL TWA  | 5 mg/m <sup>3</sup>  |
| OEL STEL   | 10 mg/m <sup>3</sup>   |
| <b>USA - ACGIH - Occupational Exposure Limits</b>                        |  |
| ACGIH® TLV® TWA  | 5 mg/m <sup>3</sup>  |
| <b>USA - OSHA - Occupational Exposure Limits</b>                         |  |
| OSHA PEL TWA   | 15 mg/m <sup>3</sup> (total dust)<br>5 mg/m <sup>3</sup> (respirable fraction) |
| <b>USA - NIOSH - Occupational Exposure Limits</b>                        |  |
| NIOSH REL TWA  | 5 mg/m <sup>3</sup>  |
| <b>Limestone (1317-65-3)</b>   |  |
| <b>Canada (Alberta) - Occupational Exposure Limits</b>                   |  |
| OEL TWA  | 10 mg/m <sup>3</sup>   |

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| Limestone (1317-65-3)   |  |
|---|--|
| Canada (British Columbia) - Occupational Exposure Limits          |  |
| OEL TWA   | 10 mg/m <sup>3</sup> (total dust)<br>3 mg/m <sup>3</sup> (respirable fraction)                 |
| OEL STEL  | 20 mg/m <sup>3</sup> (total)   |
| Canada (Northwest Territories) - Occupational Exposure Limits     |  |
| OEL TWA   | 10 mg/m <sup>3</sup>   |
| OEL STEL  | 20 mg/m <sup>3</sup>   |
| Canada (Nunavut) - Occupational Exposure Limits                   |  |
| OEL TWA   | 10 mg/m <sup>3</sup>   |
| OEL STEL  | 20 mg/m <sup>3</sup>   |
| Canada (Quebec) - Occupational Exposure Limits                    |  |
| VEMP (OEL TWA EV)   | 10 mg/m <sup>3</sup> (Limestone, containing no Asbestos and <1% Crystalline silica-total dust) |
| Canada (Saskatchewan) - Occupational Exposure Limits              |  |
| OEL TWA   | 10 mg/m <sup>3</sup>   |
| OEL STEL  | 20 mg/m <sup>3</sup>   |
| Canada (Yukon) - Occupational Exposure Limits                     |  |
| OEL TWA   | 30 mppcf<br>10 mg/m <sup>3</sup>   |
| OEL STEL  | 20 mg/m <sup>3</sup>   |
| USA - OSHA - Occupational Exposure Limits                         |  |
| OSHA PEL TWA  | 15 mg/m <sup>3</sup> (total dust)<br>5 mg/m <sup>3</sup> (respirable fraction)                 |
| USA - NIOSH - Occupational Exposure Limits                        |  |
| NIOSH REL TWA   | 10 mg/m <sup>3</sup> (total dust)<br>5 mg/m <sup>3</sup> (respirable dust)                     |
| Calcium oxide (1305-78-8)   |  |
| Canada (Alberta) - Occupational Exposure Limits                   |  |
| OEL TWA   | 2 mg/m <sup>3</sup>  |
| Canada (British Columbia) - Occupational Exposure Limits          |  |
| OEL TWA   | 2 mg/m <sup>3</sup>  |
| Canada (Manitoba) - Occupational Exposure Limits                  |  |
| OEL TWA   | 2 mg/m <sup>3</sup>  |
| Canada (New Brunswick) - Occupational Exposure Limits             |  |
| OEL TWA   | 2 mg/m <sup>3</sup>  |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits |  |
| OEL TWA   | 2 mg/m <sup>3</sup>  |
| Canada (Northwest Territories) - Occupational Exposure Limits     |  |
| OEL TWA   | 2 mg/m <sup>3</sup>  |
| OEL STEL  | 4 mg/m <sup>3</sup>  |

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| Calcium oxide (1305-78-8)                                    |                          |
|--|--------------------------|
| Canada (Nova Scotia) - Occupational Exposure Limits          |                          |
| OEL TWA  | 2 mg/m <sup>3</sup>      |
| Canada (Nunavut) - Occupational Exposure Limits              |                          |
| OEL TWA  | 2 mg/m <sup>3</sup>      |
| OEL STEL   | 4 mg/m <sup>3</sup>      |
| Canada (Prince Edward Island) - Occupational Exposure Limits |                          |
| OEL TWA  | 2 mg/m <sup>3</sup>      |
| Canada (Ontario) - Occupational Exposure Limits              |                          |
| OEL TWAEV  | 2 mg/m <sup>3</sup>      |
| Canada (Quebec) - Occupational Exposure Limits               |                          |
| VEMP (OEL TWAEV)   | 2 mg/m <sup>3</sup>      |
| Canada (Saskatchewan) - Occupational Exposure Limits         |                          |
| OEL TWA  | 2 mg/m <sup>3</sup>      |
| OEL STEL   | 4 mg/m <sup>3</sup>      |
| Canada (Yukon) - Occupational Exposure Limits                |                          |
| OEL TWA  | 2 mg/m <sup>3</sup>      |
| OEL STEL   | 4 mg/m <sup>3</sup>      |
| USA - ACGIH - Occupational Exposure Limits                   |                          |
| Local name   | Calcium oxide            |
| ACGIH® TLV® TWA  | 2 mg/m <sup>3</sup>      |
| Remark (ACGIH)   | TLV® Basis: URT irr      |
| Regulatory reference   | ACGIH 2020               |
| USA - OSHA - Occupational Exposure Limits                    |                          |
| Local name   | Calcium oxide            |
| OSHA PEL TWA   | 5 mg/m <sup>3</sup>      |
| Regulatory reference (US-OSHA)                               | OSHA Annotated Table Z-1 |
| USA - IDLH - Occupational Exposure Limits                    |                          |
| IDLH   | 25 mg/m <sup>3</sup>     |
| USA - NIOSH - Occupational Exposure Limits                   |                          |
| NIOSH REL TWA  | 2 mg/m <sup>3</sup>      |

### 8.2. Appropriate engineering controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers. |
| Environmental exposure controls  | : Avoid release to the environment.   |

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

|  |
|--|
| <b>Hand protection:</b>  |
| Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness. |

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|   |
|---|
| <b>Eye protection:</b>  |
| If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield.  |
| <b>Skin and body protection:</b>  |
| Wear suitable protective clothing   |
| <b>Respiratory protection:</b>  |
| In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment. |

**Other information:**  
Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|  |                     |
|--|---------------------|
| Physical state                         | : Solid             |
| Colour                                 | : No data available |
| Odour                                  | : No data available |
| Odour threshold                        | : No data available |
| pH                                     | : No data available |
| Melting point                          | : No data available |
| Freezing point                         | : No data available |
| Boiling point                          | : No data available |
| Flash point                            | : No data available |
| Flammability (solid, gas)              | : Not flammable.    |
| Vapour pressure                        | : No data available |
| Relative vapour density at 20°C/ 68 °F | : No data available |
| Relative density                       | : No data available |
| Solubility                             | : No data available |
| Partition coefficient n-octanol/water  | : No data available |
| Auto-ignition temperature              | : No data available |
| Decomposition temperature              | : No data available |
| Viscosity, kinematic                   | : No data available |
| Explosive limits                       | : No data available |
| Particle characteristics               | : No data available |

| Calcium hydroxide         |                              |
|---------------------------|------------------------------|
| Boiling point             | 2850 °C (with decomposition) |
| Auto-ignition temperature | (not flammable)              |
| Vapour pressure           | 0 hPa (at 20 °C)             |
| Particle characteristics  | No data available            |

| Calcium oxide            |  |
|--------------------------|--|
| Boiling point            | 2850 °C Atm. press.: 101325 Pa Decomposition: 'no' |
| Vapour pressure          | 0 hPa (at 20 °C)                                   |
| Particle characteristics | No data available                                  |



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### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Reacts violently with : Strong acids. Reacts with water to form Calcium Hydroxide. The heat generated when mixed with water or moist air is sufficient to ignite surrounding materials such as paper, wood or cloth.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Incompatible materials.

### 10.5. Incompatible materials

Strong acids. Water.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.  
Acute toxicity (dermal) : Not classified.  
Acute toxicity (inhalation) : Not classified.

| Calcium hydroxide (1305-62-0) |  |
|-------------------------------|--|
| LD50 oral rat                 | > 2000 mg/kg (Source: ECHA)  |
| LD50 dermal rat               | > 2500 mg/kg (Source: ECHA_API)  |
| LC50 inhalation rat           | > 6.04 mg/l/4h   |
| Calcium oxide (1305-78-8)     |  |
| LD50 oral rat                 | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)            |
| LD50 dermal rat               | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) |
| LD50 dermal rabbit            | > 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:US Federal Register 38: 187, Part 1500, Section 41, 1973.                             |
| LC50 inhalation rat           | > 6.04 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)                               |

Skin corrosion/irritation : Causes skin irritation.

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|  |   |
|--|---|
| <b>Calcium hydroxide (1305-62-0)</b>             |   |
| pH   | 12.4 (at 25 °C (saturated solution))  |
| <b>Calcium oxide (1305-78-8)</b>                 |   |
| pH   | 12.5 (saturated solution)   |
| Serious eye damage/irritation                    | : Causes serious eye damage.  |
| <b>Calcium hydroxide (1305-62-0)</b>             |   |
| pH   | 12.4 (at 25 °C (saturated solution))  |
| <b>Calcium oxide (1305-78-8)</b>                 |   |
| pH   | 12.5 (saturated solution)   |
| Respiratory or skin sensitisation                | : Not classified.   |
| Germ cell mutagenicity                           | : Not classified.   |
| Carcinogenicity                                  | : May cause cancer (inhalation).  |
| Reproductive toxicity                            | : Not classified.   |
| STOT-single exposure                             | : May cause respiratory irritation.   |
| <b>Calcium hydroxide (1305-62-0)</b>             |   |
| STOT-single exposure                             | May cause respiratory irritation.   |
| <b>Calcium oxide (1305-78-8)</b>                 |   |
| STOT-single exposure                             | May cause respiratory irritation.   |
| STOT-repeated exposure                           | : Causes damage to organs (lungs) through prolonged or repeated exposure.   |
| <b>Limestone (1317-65-3)</b>                     |   |
| STOT-repeated exposure                           | Causes damage to organs through prolonged or repeated exposure.   |
| <b>Calcium oxide (1305-78-8)</b>                 |   |
| LOAEL (oral, rat, 90 days)                       | 300 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (oral, rat, 90 days)                       | 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)                  |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0.413 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)  |
| Aspiration hazard                                | : Not classified.   |
| <b>Calcium Based Co-Products</b>                 |   |
| Viscosity, kinematic                             | No data available   |
| <b>Calcium hydroxide (1305-62-0)</b>             |   |
| Viscosity, kinematic                             | No data available   |
| <b>Limestone (1317-65-3)</b>                     |   |
| Viscosity, kinematic                             | No data available   |
| <b>Calcium oxide (1305-78-8)</b>                 |   |
| Viscosity, kinematic                             | 223.529 – 230.303 mm <sup>2</sup> /s  |

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|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract.   |
| Symptoms/effects after skin contact | : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.  |
| Symptoms/effects after eye contact  | : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns. |
| Symptoms/effects after ingestion    | : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.   |
| Chronic symptoms                    | : May cause cancer. Causes damage to organs through prolonged or repeated exposure.  |
| Other information                   | : Likely routes of exposure: ingestion, inhalation, skin and eye.  |

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

|   |   |
|---|---|
| Ecology - general   | : No known significant effects or critical hazards. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified.                                   |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified.                                   |

| Calcium oxide (1305-78-8) |  |
|---------------------------|--|
| LC50 - Fish [1]           | 1070 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static] Source: IUCLID)   |
| EC50 - Crustacea [1]      | 49.1 mg/l Test organisms (species): Daphnia magna  |
| EC50 72h - Algae [1]      | > 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| EC50 96h - Algae [1]      | 1130.3 mg/l Test organisms (species): Navicula seminulum   |
| NOEC (chronic)            | 32 mg/l Test organisms (species): Crangon septemspinosa Duration: '14 d'   |
| NOEC chronic fish         | 100 mg/l Test organisms (species): other:Tilapia nilotica Duration: '46 d'   |

### 12.2. Persistence and degradability

| Calcium Based Co-Products     |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Not established.   |
| Calcium hydroxide (1305-62-0) |                    |
| Persistence and degradability | Rapidly degradable |
| Limestone (1317-65-3)         |                    |
| Persistence and degradability | Rapidly degradable |
| Calcium oxide (1305-78-8)     |                    |
| Persistence and degradability | Rapidly degradable |

### 12.3. Bioaccumulative potential

| Calcium Based Co-Products     |                      |
|-------------------------------|----------------------|
| Bioaccumulative potential     | Not established.     |
| Calcium hydroxide (1305-62-0) |                      |
| BCF - Fish [1]                | (no bioaccumulation) |
| Calcium oxide (1305-78-8)     |                      |
| BCF - Fish [1]                | (no bioaccumulation) |

# Calcium Based Co-Products

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                              |                           |
|------------------------------|---------------------------|
| Ozone                        | : Not classified.         |
| Fluorinated greenhouse gases | : No                      |
| Other information            | : No other effects known. |

## SECTION 13 Disposal considerations

|  |   |
|--|---|
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
|--|---|

## SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN Number

Not regulated for transport

### 14.2. UN Proper Shipping Name

|                             |                 |
|-----------------------------|-----------------|
| Proper Shipping Name (DOT)  | : Not regulated |
| Proper Shipping Name (TDG)  | : Not regulated |
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |

### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not regulated

**TDG**  
Transport hazard class(es) (TDG) : Not regulated

**IMDG**  
Transport hazard class(es) (IMDG) : Not regulated

**IATA**  
Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

|                      |                 |
|----------------------|-----------------|
| Packing group (DOT)  | : Not regulated |
| Packing group (TDG)  | : Not regulated |
| Packing group (IMDG) | : Not regulated |
| Packing group (IATA) | : Not regulated |

### 14.5. Environmental hazards

|                   |   |
|-------------------|---|
| Other information | : No supplementary information available. |
|-------------------|---|

### 14.6. Transport in bulk

Not applicable

# Calcium Based Co-Products

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022

### 14.7. Special precautions for user

**DOT**  
Not regulated

**TDG**  
Not regulated

**IMDG**  
Not regulated

**IATA**  
Not regulated

## SECTION 15 Regulatory information

### 15.1. Federal regulations


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

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

### 15.2. International regulations

No additional information available

### 15.3. State regulations

 **WARNING:** This product can expose you to Silica, respirable crystalline, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

| Component                    | State or local regulations  |
|------------------------------|---|
| Calcium hydroxide(1305-62-0) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |
| Limestone(1317-65-3)         | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |
| Calcium oxide(1305-78-8)     | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |

## SECTION 16 Other Information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022

|                   |  |
|-------------------|--|
| Revision date     | : 2025-06-18   |
| Issue date        | : 2025-06-18   |
| Other information | : None.  |
| Prepared by       | : Nexreg Compliance Inc.<br><a href="http://www.Nexreg.com">www.Nexreg.com</a> |



# Calcium Based Co-Products

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022

| Indication of changes: |                    |                  |
|------------------------|--------------------|------------------|
| Section                | Changed item       | Comments         |
| 4                      | First aid measures | Modified<br>V1.1 |

SDS HazCom 2024 - WHMIS 2022 (Nexreg)

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