

SECTION 1: Identification

1.1. Identification

| | |
|--------------|---|
| Product form | : Substance |
| Trade name | : Natural Limestone |
| CAS-No. | : 85117-09-5 |
| Synonyms | : Lime (chemical), hydraulic (Mixtures of chemical substances produced by burning (below 1200°C) natural variants of limestone or chalk containing from 10 to 20%, or more, of clayey or siliceous materials which are predominantly SiO ₂ , Al ₂ O ₃ and iron oxide. Consist primarily of 2CaO.SiO ₂ , Ca(OH) ₂ , CaO and 2CaO.Al ₂ O ₃ . 3CaO.2SiO ₂ , 4CaO.Al ₂ O ₃ . Fe ₂ O ₃ , 2CaO.Al ₂ O ₃ .SiO ₂ , CaCO ₃ and SiO ₂ may also be included.) |

1.2. Recommended use and restrictions on use

| | |
|------------------------------|-----------|
| Use of the substance/mixture | : Coating |
|------------------------------|-----------|

1.3. Supplier

Manufacturer
StoneCoat International Inc.
11431 Ferrell Dr. Suite 204
Farmers Branch, Texas 75234
T: 972-380-2700

1.4. Emergency telephone number

| | |
|------------------|---------------------------|
| Emergency number | : Chemtrec (800) 424-9300 |
|------------------|---------------------------|

SECTION 2: Hazard(s) identification



2.1. Classification of the substance or mixture

GHS US classification

| | |
|--|---|
| Skin corrosion/irritation Category 1 | Causes severe skin burns and eye damage |
| Serious eye damage/eye irritation Category 1 | Causes serious eye damage |
| Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation | May cause respiratory irritation |

2.2. GHS Label elements, including precautionary statements

GHS US labeling

| | |
|-----------------------------------|---|
| Hazard pictograms (GHS US) | :   |
| Signal word (GHS US) | : Danger |
| Hazard statements (GHS US) | : Causes severe skin burns and eye damage May cause respiratory irritation |
| Precautionary statements (GHS US) | : Do not breathe dust. Wash hands, forearms and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective clothing, eye protection, face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER. Call a poison center or doctor if you feel unwell. |

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Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container to a hazardous or special waste collection point.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Name : Lime (chemical), hydraulic
CAS-No. : 85117-09-5

| Name | Product identifier | % |
|--|--------------------|---------|
| Calcium carbonate (Component) | CAS-No.: 471-34-1 | > 70 |
| Calcium hydroxide hydrate (Component) | CAS-No.: 1332-69-0 | < 20 |
| Calcium silicate (Component) | CAS-No.: 1344-95-2 | < 0.025 |

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill effect or irritation develops.

First-aid measures after skin contact : Wash off immediately and plentifully with water for at least 20 minutes. Call a physician immediately.

First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 20-30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

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

Symptoms/effects after inhalation : May cause respiratory irritation. Dusts from this product, when combined with water or sweat, produce a corrosive alkaline solution.

Symptoms/effects after skin contact : Causes severe skin burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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 : None known.

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5.2. Specific hazards arising from the chemical

| | |
|------------------|---|
| Fire hazard | : Not combustible. Presents no particular fire or explosion hazard. |
| Explosion hazard | : No hazard identified. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Exercise caution when fighting any chemical fire. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |
| Other information | : Reacts with water to form corrosive alkalis. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|--|
| General measures | : Avoid dust formation. Dusts from this product, when combined with water or sweat, produce a corrosive alkaline solution. |
|------------------|--|

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Keep upwind. Ventilate spillage area. Do not breathe dust, mist. Avoid contact with skin, eyes and clothing. |

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area. Keep people away from and upwind of spill/leak. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. |

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| For containment | : Collect spillage. Avoid creating or spreading dust. |
| Methods for cleaning up | : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. Notify authorities if product enters sewers or public waters. |
| Other information | : Dispose in a safe manner in accordance with local/national regulations. |

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-----------------------------------|---|
| Additional hazards when processed | : Dusts from this product, when combined with water or sweat, produce a corrosive alkaline solution. |
| Precautions for safe handling | : Ensure good ventilation of the work station. Do not breathe dust, mist. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. |
| Hygiene measures | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety procedures. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------|--|
| Technical measures | : Protect from physical damage. Protect from moisture. |
|--------------------|--|

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| | |
|------------------------|--|
| Storage conditions | : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Protect from moisture. |
| Incompatible materials | : Acids. Fluorinated compounds. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | |
|---|--|
| Lime (chemical), hydraulic (85117-09-5) | |
| No additional information available | |
| Calcium carbonate (471-34-1) | |
| USA - ACGIH - Occupational Exposure Limits | |
| ACGIH OEL TWA | 10 mg/m ³ |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL (TWA) | 10.5 mg/m ³ |
| Calcium hydroxide hydrate (1332-69-0) | |
| No additional information available | |
| Calcium silicate (1344-95-2) | |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Calcium silicate |
| OSHA PEL (TWA) [1] | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL (TWA) | 10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust) |

8.2. Appropriate engineering controls

| | |
|----------------------------------|---|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Provide local exhaust or general room ventilation to minimize exposure to dust. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Environmental exposure controls | : Avoid release to the environment. |

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear suitable gloves resistant to chemical penetration. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material

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Other information:

Dusts from this product, when combined with water or sweat, produce a corrosive alkaline solution. Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--------------------------------------|
| Physical state | : Solid |
| Appearance | : Powder. |
| Color | : White |
| Odor | : odorless |
| Odor threshold | : No data available |
| pH | : 12.4 @25% (aqueous; 77 °F / 25 °C) |
| Melting point | : 580 °C (1076 °F) |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : Not applicable |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 2.2 – 2.9 g/m ³ |
| Solubility | : Insoluble. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : Not applicable |
| Viscosity, dynamic | : No data available |
| Explosion limits | : Not applicable |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts vigorously with acids. Reacts with water to form corrosive alkalis.

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

Protect from moisture. Protect from physical damage.

10.5. Incompatible materials

Acids. Fluorinated compounds.

10.6. Hazardous decomposition products

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

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| Lime (chemical), hydraulic (85117-09-5) | |
|---|----------------|
| LD50 dermal rabbit | > 2500 mg/kg |
| LC50 Inhalation - Rat | > 6.04 mg/l/4h |

| Calcium carbonate (471-34-1) | |
|-----------------------------------|--------------------------|
| LD50 oral rat | 6450 mg/kg |
| LD50 dermal | > 2000 mg/kg body weight |
| LC50 Inhalation - Rat (Dust/Mist) | > 3000 mg/l |

| Calcium silicate (1344-95-2) | |
|------------------------------|--------------|
| LD50 oral rat | > 5000 mg/kg |

Skin corrosion/irritation : Causes severe skin burns.
Dusts from this product, when combined with water or sweat, produce a corrosive alkaline solution. pH: 12.4 @25% (aqueous; 77 °F / 25 °C)

Serious eye damage/irritation : Causes serious eye damage.
Dusts from this product, when combined with water or sweat, produce a corrosive alkaline solution. pH: 12.4 @25% (aqueous; 77 °F / 25 °C)

Respiratory or skin sensitization : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause respiratory irritation.
Dusts from this product, when combined with water or sweat, produce a corrosive alkaline solution.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

| Calcium carbonate (471-34-1) | |
|--|---|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg body weight 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) | ≥ 0.212 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Viscosity, kinematic : Not applicable

Symptoms/effects after inhalation : May cause respiratory irritation. Dusts from this product, when combined with water or sweat, produce a corrosive alkaline solution.

Symptoms/effects after skin contact : Causes severe skin burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Reacts with water to form corrosive alkalis. Before neutralisation, the product may represent a danger to aquatic organisms.

| Calcium carbonate (471-34-1) | |
|------------------------------------|--|
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Other aquatic organisms [1] | > 100 mg/l waterflea |
| EC50 72h - Algae [1] | > 14 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 96h - Algae [1] | 22000 mg/l Source: Ecological Structure Activity Relationships |

12.2. Persistence and degradability

| Calcium carbonate (471-34-1) | |
|------------------------------|--|
| Not rapidly degradable | |

12.3. Bioaccumulative potential

| Calcium carbonate (471-34-1) | |
|---|----------------------|
| BCF - Fish [1] | (no bioaccumulation) |
| Partition coefficient n-octanol/water (Log Pow) | -2.12 |

12.4. Mobility in soil

| Calcium carbonate (471-34-1) | |
|------------------------------|--|
| Mobility in soil | 4.971 Source: Quantitative Structure Activity Relation |

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|----------------------------------|----------------|----------------|----------------|
| 14.1. UN number | | | |
| Not regulated for transport | | | |
| 14.2. Proper Shipping Name | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |

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| DOT | TDG | IMDG | IATA |
|--|----------------|----------------|----------------|
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | |

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

| | | |
|---------------------------|-------------------|-------|
| Calcium hydroxide hydrate | CAS-No. 1332-69-0 | < 20% |
|---------------------------|-------------------|-------|

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Calcium carbonate (471-34-1)

Listed on the Canadian DSL (Domestic Substances List)

Calcium silicate (1344-95-2)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Natural Limestone (85117-09-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Calcium carbonate (471-34-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Calcium silicate (1344-95-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Natural Limestone (85117-09-5)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

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Calcium carbonate (471-34-1)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Calcium silicate (1344-95-2)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

15.3. US State regulations

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

| Component | State or local regulations |
|-----------------------------|--|
| Calcium silicate(1344-95-2) | U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Minnesota - Hazardous Substance List U.S. - Massachusetts - Right To Know List |

SECTION 16: Other information

according to US HazCom 2012

Revision date : 20 June 2022

Other information : None.

Safety Data Sheet (SDS), USA

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