Indiana Limestone (Gray)
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012
Rules and Regulations
Date of issue: 09/05/2016  Date of Revision: 12/18/2019

SECTION 1: Identification

1.1. Product identifier
- **Product form**: Substance, Solid or Dust, Buff or Gray Color
- **Substance name**: Buff Indiana Limestone, Calcite, Limestone, Calcium Carbonate
- **CAS No**: 471-34-1 (Main Constituent)
- **Formula**: CaCO3

1.2. Relevant identified uses of the substance
- **Use of the substance**: Construction, building material.
- **Limestone** may be distributed in blocks, bulk shipments, as gravel or dust. No known restrictions.

1.3. Details of the supplier of the safety data sheet
- **Mailing Address**: Reed Quarries, Inc.
  PO Box 64
  Bloomington, IN 47402
- **Office**: Reed Quarries, Inc.
  2950 North Prow Road
  Bloomington, IN 47404
- **Phone**: 812-332-2771
- **Fax**: 812-331-2773
- **www.reedquarries.com

1.4. Emergency telephone number
- **Emergency number**: Reed Quarries, Inc. Office: 812-332-2771

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

**GHS-US classification**
- **Skin Irrit. 2** H316
- **Eye Irrit. 2B** H320
- **STOT SE 3** H335

Indiana Limestone is a naturally occurring substance, generally gray or buff in color with no distinct odor or taste. This product is a naturally occurring substance that is not classified as a hazard as a solid. Dust created during cutting or fabricating can incur mild skin, eye or respiratory tract irritation hazards. Indiana Limestone dust is considered a nuisance dust. Laboratory tests using the NIOSH 7500 Analytical Method determined Crystalline Silica was Non Detect for this product. This product is not classified as a carcinogen.
- **Eye Contact**: May produce mild or moderate irritation or inflammation.
- **Skin Contact**: Direct contact may cause mild skin irritation due to abrasion or drying effects.
- **Inhalation**: Inhaled dust may cause respiratory irritation.

2.2. Label elements

**GHS-US labelling**
- **Hazard pictograms (GHS-US)**: ![exclamation mark]

- **Signal word (GHS-US)**: Warning
- **Hazard statements (GHS-US)**: H316 - Causes mild skin irritation
  H320 - Causes eye irritation
  H335 - May cause respiratory irritation

- **Precautionary statements (GHS-US)**: P261 - Avoid breathing dust
  P264 - Wash exposed skin thoroughly after handling
  P271 - Use only outdoors or in a well-ventilated area (when cutting)
  P280 - Wear protective gloves, eye protection
  P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
  P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  P312 - Call a POISON CENTER/doctor/physician if you feel unwell
  P332+P313 - If skin irritation occurs: Get medical advice/attention
  P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards
- **Other hazards**: None under normal conditions.
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2.4. Unknown acute toxicity (GHS-US)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substance
Substance type : Naturally occurring substance/solid

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate (main constituent)</td>
<td>CAS No. 471-34-1</td>
<td>99.46%</td>
<td>Skin Irrit. 2 H316</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2B H320</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3 H335</td>
</tr>
<tr>
<td>Magnesium Oxide</td>
<td>CAS No. 1309-48-4</td>
<td>00.53%</td>
<td>Non Detect N/A</td>
</tr>
<tr>
<td>Silica by NIOSH 7500 mod. Cristobalite, Quartz, Tridymite</td>
<td>CAS No. 14808-60-7</td>
<td>Non Detect N/A</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

3.2. Mixtures
Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
First-aid measures after skin contact : Wash with plenty of soap and water. 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.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after skin contact : Causes mild skin irritation.
Symptoms/injuries after eye contact : Causes eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media : Product is non-flammable.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters
Firefighting instructions : Product is non-flammable. Contain fire nearby using appropriate media for fire source.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions
Dispose of waste according to local, state and federal regulations.
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6.3. Methods and material for containment and cleaning up
Methods for cleaning up:

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling:

Hygiene measures:

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions:

Incompatible products:

Incompatible materials:
Avoid contact with strong acids, Fluorine and oxidizers which may cause chemical reactions

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Calcium Carbonate (471-34-1) (Total Dust)

<table>
<thead>
<tr>
<th></th>
<th>USA OSHA</th>
<th>OSHA PEL (TWA) Table Z-1</th>
<th>15 mg/m³ TWA</th>
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<tbody>
<tr>
<td>USA OSHA</td>
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</tr>
<tr>
<td>ACGIH</td>
<td>Threshold Limit Value (TLV)</td>
<td>10 mg/m³</td>
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<tr>
<td>NIOSH</td>
<td>REL</td>
<td></td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Appropriate engineering controls:

Personal protective equipment:

Hand protection:

Eye protection:

Skin and body protection:

Respiratory protection:

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

Appearance:
Light grey or buff colored stone.

Odor:
None to mild earthy odor

Odor threshold:
No data available

pH:
No data available

Relative evaporation rate (butylacetate=1):
No data available

Melting point:
No data available

Freezing point:
No data available

Boiling point:
None

Flash point:
None

Self-ignition temperature:
No data available

Decomposition temperature:
No data available

Flammability (solid, gas):
No data available

Vapor pressure:
No data available

Relative vapor density at 20 °C:
No data available

Relative density:
No data available

Revision date: 18 December 2019
Issue date: 05 September 2016
EN (English)
### Indiana Limestone (Gray)

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<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Density</td>
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<tr>
<td>Solubility</td>
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<tr>
<td>Log Pow</td>
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<tr>
<td>Log Kow</td>
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<tr>
<td>Viscosity, kinematic</td>
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<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
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<tr>
<td>Explosive properties</td>
<td>No data available</td>
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<tr>
<td>Oxidising properties</td>
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<tr>
<td>Explosive limits</td>
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</tbody>
</table>

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Avoid contact with acids. Avoid contact with fluorine.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Reacts with acids and fluorine. Avoid contact with fluorine. Avoid contact with acids, especially strong acids.

#### 10.4. Conditions to avoid

No additional information available.

#### 10.5. Incompatible materials

Strong acids. Strong oxidizers.

#### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Acute toxicity**

Not classified

**Calcium Carbonate (CaCO₃) 471-34-1**

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>6450 mg/kg</th>
</tr>
</thead>
</table>

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes eye irritation.

**Respiratory or skin sensitization**

Not classified

**Germ cell mutagenicity**

Not classified

**Carcinogenicity**

Not classified

**Reproductive toxicity**

Not classified

**Specific target organ toxicity (single exposure)**

May cause respiratory irritation.

**Specific target organ toxicity (repeated exposure)**

Not classified

**Aspiration hazard**

Not classified

**Potential Adverse human health effects and symptoms**

Based on available data, the classification criteria are not met.

**Symptoms/injuries after inhalation**

May cause respiratory irritation.

**Symptoms/injuries after skin contact**

Causes skin irritation.

**Symptoms/injuries after eye contact**

Causes eye irritation.

**Likely routes of exposure**

Inhalation; Skin and eye contact

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available
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<table>
<thead>
<tr>
<th>12.2. Persistence and degradability</th>
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</thead>
<tbody>
<tr>
<td><strong>Calcium Carbonate (471-34-1)</strong></td>
</tr>
<tr>
<td>Persistence and degradability</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.3. Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Calcium Carbonate (471-34-1)</strong></td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.4. Mobility in soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>No additional information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.5. Other adverse effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other information</td>
</tr>
</tbody>
</table>

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

| Waste disposal recommendations | Dispose in a safe manner in accordance with local/state/national regulations. |
| Ecology - waste materials      | Avoid release to the environment. The product is a naturally occurring substance, not expected to be harmful to aquatic organisms. |
|                                | Do not allow fine particulate matter to drain into sewers/water supplies as it may clog or impede sewage systems |
|                                | Discharging excessive limestone dust and fines into waterways may increase total suspended particulate (TSP) levels that can be harmful to certain aquatic organisms. |

### SECTION 14: Transport information

In accordance with DOT. Not a DOT-regulated hazardous material. Not classified as dangerous goods for DOT, IATA, IMDG, TDG. Not dangerous goods in sense of transport regulations

#### Additional information

| Other information | : No supplementary information available. |

#### ADR

| Transport document description | : |

**Transport by sea:**

No additional information available

**Transport by air:**

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

| **Calcium Carbonate (471-34-1)** |
| Listed on the United States TSCA (Toxic Substances Control Act) Inventory |

#### 15.2. International Regulations CANADA

| **Calcium Carbonate (471-34-1)** |
| WHMIS Classification | Uncontrolled product according to WHMIS/HPR classification criteria |

**EU-Regulations**

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Not classified
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15.2.2. International regulations

Calcium Carbonate (471-34-1)
Not listed on the Canadian Ingredient Disclosure List

15.3. US State regulations

- California Proposition 65: This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.
- SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- SARA 311/312 Hazards: No SARA Hazards
- Massachusetts Right To Know Components: No components are subject to the Massachusetts Right To Know Act.
- Pennsylvania, Minnesota, New Jersey Right To Know Components: Calcium carbonate CAS-No. 471-34-1

No additional information available.

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>H-Phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2B</td>
<td>Serious eye damage/eye irritation, Category 2B</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
</tr>
<tr>
<td>H316</td>
<td>Causes minor skin irritation</td>
</tr>
<tr>
<td>H320</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1 Slight Hazard - Irritation or minor reversible injury possible</td>
</tr>
<tr>
<td>Flammability</td>
<td>0 Minimal Hazard</td>
</tr>
<tr>
<td>Physical</td>
<td>0 Minimal Hazard</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>E</td>
</tr>
</tbody>
</table>

SDS US (GHS HazCom 2012)

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