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

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

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): 

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+P361: IF ON SKIN: Wash with plenty of soap and water.
P303+P360+P330+P331: 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>99.39%</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>0.60%</td>
<td></td>
</tr>
<tr>
<td>Silica by NIOSH 7500 mod.</td>
<td>CAS No. 14808-60-7</td>
<td>Non Detect</td>
<td>N/A</td>
</tr>
<tr>
<td>Cristobalite, Quartz, Tridymite</td>
<td></td>
<td></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: On land, sweep or shovel into suitable containers. Minimize generation of dust.

### 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**: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. Use local exhaust or general ventilation or appropriate dust mask when cutting.
- **Hygiene measures**: Wash exposed skin thoroughly after handling.

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

- **Storage conditions**: Stable. No special precautions.
- **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>Source</th>
<th>Control Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) Table Z-1</td>
<td>15 mg/m3 TWA</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Threshold Limit Value (TLV)</td>
<td>10 mg/m3</td>
</tr>
<tr>
<td>NIOSH</td>
<td>REL</td>
<td>10 mg/m3</td>
</tr>
</tbody>
</table>

#### 8.2. Exposure controls

- **Appropriate engineering controls**: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. When cutting, ensure adequate local ventilation or wear appropriate mask.
- **Personal protective equipment**: Avoid all unnecessary exposure.
- **Hand protection**: Wear protective gloves.
- **Eye protection**: Chemical goggles or safety glasses
- **Skin and body protection**: Wear suitable protective clothing.
- **Respiratory protection**: Wear appropriate dust mask if exposed to concentrations of dust.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- **Physical state**: Solid
- **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

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09/05/2016 EN (English)
## Indiana Limestone (Buff)

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

<table>
<thead>
<tr>
<th>Calcium Carbonate (CaCO₃) 471-34-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
</tbody>
</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
12.2. Persistence and degradability

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

Persistence and degradability: Not established.

12.3. Bioaccumulative potential

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

Bioaccumulative potential: Not established.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Other information: No data available.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/state/national regulations. 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.

Ecology - waste materials: No additional information available.

**SECTION 14: Transport information**

In accordance with DOT

No dangerous good in sense of transport regulations.

*Additional information*

Other information: No supplementary information available.

**ADR**

Transport document description: No additional information available.

**Transport by sea**

No additional information available.

**Air transport**

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 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.
15.2.2. International regulations

<table>
<thead>
<tr>
<th>Calcium Carbonate (471-34-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not listed on the Canadian Ingredient Disclosure List</td>
</tr>
</tbody>
</table>

15.3. US State regulations

No additional information available
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>Eye Irrit. 2B</th>
<th>Serious eye damage/eye irritation, Category 2B</th>
</tr>
</thead>
<tbody>
<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

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : E

SDS US (GHS HazCom 2012)

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