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

Maple Hill Quarry
3996 South Rockport Road
Bloomington, IN 47401

B.G. Hoadley Office
3011 W. Arlington Road
PO Box 1224
Bloomington, IN 47402
Phone 812-332-1447
Fax 812-332-6085
www.bghoodleyquarries.com

1.4. Emergency telephone number

Emergency number: B.G. Hoadley Office: 812-332-1447

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.

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):

<table>
<thead>
<tr>
<th>Signal word (GHS-US)</th>
<th>Hazard statements (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning</td>
<td>H316 - Causes mild skin irritation</td>
</tr>
<tr>
<td></td>
<td>H320 - Causes eye irritation</td>
</tr>
<tr>
<td></td>
<td>H335 - May cause respiratory irritation</td>
</tr>
</tbody>
</table>

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>99.37%</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>0.627%</td>
<td></td>
</tr>
<tr>
<td>Silica by NIOSH 7500 mod. Cristobalite, Quartz, Tridymite</td>
<td>CAS No. 14808-60-7</td>
<td>Non Detect</td>
<td>N/A</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

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Light grey or buff colored stone.</td>
</tr>
<tr>
<td>Odor</td>
<td>None to mild earthy odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>None</td>
</tr>
<tr>
<td>Flash point</td>
<td>None</td>
</tr>
<tr>
<td>Self-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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Density : No data available
Solubility : No data available
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

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 (\(\text{CaCO}_3\)) 471-34-1
LD50 oral rat 6450 mg/kg
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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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 data 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:

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
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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
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>
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<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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