

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

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.bghoadleyquarries.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.
 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) :



GHS07

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

| Name | Product identifier | % | GHS-US classification |
|--------------------------------------------------------------|--------------------|------------|------------------------------------------------------------|
| Calcium Carbonate (main constituent) | CAS No. 471-34-1 | 99.39% | Skin Irrit. 2 H316 Eye Irrit. 2B H320 STOT SE 3 H335 |
| Magnesium Oxide | CAS No. 1309-48-4 | 00.60% | |
| Silica by NIOSH 7500 mod. Cristobalite, Quartz, Tridymite | CAS No. 14808-60-7 | Non Detect | N/A |

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

- Protective equipment : Safety glasses. Gloves. Dust mask.
- 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 products : Strong oxidizers. Strong acids. Fluorine.
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) | | |
|-------------------------------------------|-----------------------------|--------------|
| USA OSHA | OSHA PEL (TWA) Table Z-1 | 15 mg/m3 TWA |
| ACGIH | Threshold Limit Value (TLV) | 10 mg/m3 |
| NIOSH | REL | 10 mg/m3 |

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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| | |
|----------------------|---------------------|
| 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 (V)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 |
| Ecology - waste materials | : certain aquatic organisms. |

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.

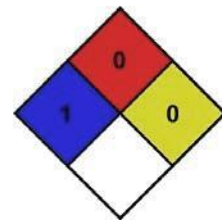
SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

| | |
|---------------|--------------------------------------------------------------------------------------------|
| Eye Irrit. 2B | Serious eye damage/eye irritation, Category 2B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H316 | Causes minor skin irritation |
| H320 | Causes eye irritation |
| H335 | May cause respiratory irritation |

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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