

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 Date of Revision: 10/15/2022

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	B.G. Hoadley Office
3996 South Rockport Road	3211 W. Arlington Road
Bloomington, IN 47401	PO Box 1224
	Bloomington, IN 47402
	Phone 812-332-1447
	Fax 812-332-6085

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irritant. Category 2 H316
 Eye Irritant. Category 2B H320
 Respiratory Tract Irritant. Category 3 H335

Indiana Limestone is a naturally occurring substance, generally gray or buff in color with no distinct odor or taste. This product is primarily constituted of calcium carbonate. It is not classified as a hazard as a solid. Dust generated by Indiana Limestone is considered a nuisance dust. Laboratory tests using the NIOSH 7500 Analytical Method determined Crystalline Silica showed Non-Detect results for this product. This product is not classified as a carcinogen. Dust created during cutting or fabricating can cause mild skin, eye, or respiratory tract irritation hazards. Eye Contact: May produce mild or moderate mechanical 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. Not expected to be an ingestion hazard. Follow engineering controls and safe work practices recommended for inert dust (Particulates Not Otherwise Regulated) (PNOR), as outlined by industrial hygiene procedures related to OSHA Table Z-1, to minimize excessive dust generation.

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 15 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

: None under normal conditions

2.4. Unknown acute toxicity (GHS-US)

: No data available

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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	97.82%- 99.39%*	Skin Irritant. Category 2 Eye Irritant. Category. 2B Respiratory Tract Irritant Category 3 H316 H320 H335
Magnesium Oxide	CAS No. 1309-48-4	00.42%- 00.60%*	
Silica by NIOSH 7500 mod. Quartz	CAS No. 14808-60-7	Non-Detect	N/A**
Cristobalite	CAS. No. 14464-46-1	Non-Detect	N/A**
Tridymite	CAS. No. 15468-32-3	Non-Detect	N/A**

*Denotes results range from independent laboratory tests conducted 2016 & 2022.

** Denotes data from independent laboratory tests conducted 2016 & 2022.

3.2. Mixtures

N/A

Not classified as a mixture

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 15 minutes. Remove contact lenses if present and easy to do.

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.
Product is stable but may react with strong oxidizers, strong acids, fluorine.

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. Particulate filtering mask.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

: Equip crew with proper protection

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6.2. Environmental precautions

Dispose of waste according to local, state and federal regulations.

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 filtering 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) (Dust)

USA OSHA	OSHA PEL (8-Hour TWA) Table Z-1 & Table Z-3	5 mg/m ³ 8-Hour TWA [Respirable fraction] ^{1,2}
USA OSHA	OSHA PEL (8-Hour TWA) Table Z-1 & Table Z-3	15 mg/m ³ 8-Hour TWA [Total dust] ^{1,2,3}
CAL/OSHA	CAL/OSHA PEL (8-Hour TWA)	5 mg/m ³ 8-Hour TWA [Respirable fraction] 10 mg/m ³ 8-Hour TWA [Total dust]
ACGIH	Threshold Limit Value (TLV)	10 mg/m ³
NIOSH	REL	10 mg/m ³
1.	All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.	
2.	Respirable fraction refers to the amount of airborne dust in sizes capable of passing through the upper respiratory system to reach the lower lung passages, i.e., the amount of dust small enough to be inhaled into the lungs during periods of exposure to a product. Not all dust is respirable.	
3.	See 29 CFR 1910.1000 Table Z-1 (PNOR) and 29 CFR 1910.1000 Table Z-3, Mineral Dusts (Inert or Nuisance Dust).	

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, use wet cutting methods, or wear appropriate particulate filtering mask. Avoid all unnecessary exposure.	
Personal protective equipment		
Hand protection	Wear protective gloves	
Eye protection	Chemical goggles or safety glasses	
Skin and body protection	Wear suitable protective clothing	
Respiratory protection	Wear appropriate particulate filtering mask if generating excessive dust (N-95/P-100 or similar)	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid	Decomposition temperature	: No data available
Appearance	: Light grey or buff colored stone.	Flammability	: Not flammable
Odor	: None to mild earthy odor	Vapor Pressure	: Not applicable
pH	: No data available	Relative density	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable	Density	: No data available
Melting point	: Not applicable	Solubility	: No data available
Freezing point	: Not applicable	Viscosity	: No data available
Boiling point	: Not applicable	Explosive properties	: Not explosive or flammable
Flash point	: None (Not flammable LFL - NA UFL – NA)	Oxidizing properties	: No data available
Self-ignition temperature	: None (Not flammable LFL-NA UFL-NA)	Explosive limits	: Not explosive or flammable

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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

12.2. Persistence and degradability

Calcium Carbonate (471-34-1)

Persistence and degradability : Not established

12.3. Bio-accumulative potential

Calcium Carbonate (471-34-1)

Bio-accumulative potential : Not established

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No data available

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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	<p>Avoid release to the environment. The product is a naturally occurring substance, not expected to be harmful to aquatic organisms.</p> <p>Do not allow fine particulate matter to drain into sewers/water supplies as it may clog or impede sewage systems</p> <p>Discharging excessive limestone dust and fines into waterways may increase total suspended particulate (TSP) levels that can be harmful to certain aquatic organisms.</p>

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): Not listed on the Canadian Ingredient Disclosure List

Calcium Carbonate (471-34-1)

WHMIS Classification	Uncontrolled product according to WHMIS/HPR classification criteria
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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

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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

Rhode Island Right to Know. No components are subject to the Rhode Island Right to Know Act.

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.

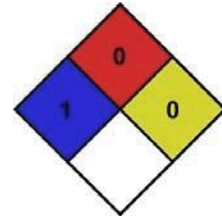
Full text of H-phrases: see section 16:

Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H335	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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