



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.

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	99.37%	Skin Irrit. 2 H316 Eye Irrit. 2B H320 STOT SE 3 H335
Magnesium Oxide	CAS No. 1309-48-4	00.62%	
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 (1f)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.
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12.3. Bioaccumulative potential

Calcium Carbonate (471-34-1)

Bioaccumulative potential	Not established.
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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
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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

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.

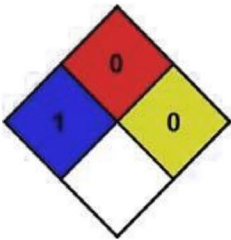
Full text of H-phrases: see section 16:

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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