

# Post Industrial Limestone

## 1. Identification

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**Product Name:** Post Industrial Limestone  
**Synonyms:** Milled Limestone  
**Recommended Uses:** Mineral filler. Post industrial recycled content applications  
**Manufacturer:** Carmeuse Lime & Stone

US Office  
 11 Stanwix Street, 21<sup>st</sup> Floor  
 Pittsburgh, PA 15222  
 Phone: (412) 995-5500  
 Fax: (412) 995-5594

Canadian Office  
 PO Box 190  
 Ingersoll, ON N5C 3K5  
 Phone: (519) 423-6283  
 Fax: (519) 423-6545

**Emergency Contact:** Infotrac: (800) 535-5053 (24 hrs a day, 7 days a week)

## 2. Hazards Identification

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<b>GHS classification</b>	<b>Physical Hazards</b> None	
	<b>Health Hazards</b>	
	Skin irritation	Category 3
	Eye irritation	Category 2B
	Carcinogenicity	Category 1A
	Specific Target Organ Toxicity – Repeated Exposure	Category 1
<b>GHS Label Elements:</b>	<b>Signal Word:</b> Danger	
	<b>Hazard Statements:</b>	
	Causes mild skin irritation	
	Causes eye irritation	
	May cause cancer through inhalation	
	Causes damage to lungs through prolonged or repeated exposure by inhalation	
	<b>Precautionary Statements:</b>	
	Obtain special instructions before use.	
	Do not handle until all safety precautions have been read and understood.	
	Do not breathe dust.	
	Wash thoroughly after handling.	
	Use personal protective equipment as required	
	Do not eat, smoke or drink when using this product	
	<b>Pictograms:</b>	



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## 3. Composition

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<u>Chemical name</u>	<u>% by weight</u>	<u>CAS#</u>
Calcium carbonate	89 - 99	1317-65-3
Magnesium carbonate	1 - 10	546-93-0
Silica-crystalline quartz	0.1 – 2	14808-60-7

## 4. First Aid Measures

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<b>Eyes:</b>	Flush victim's eyes thoroughly with large quantities of water, including under eye lids. Get medical attention if irritation persists.
<b>Skin:</b>	Remove dusty clothing. Wash skin thoroughly with soap and water. Launder clothing before re-use. Get medical attention if irritation persists.
<b>Ingestion:</b>	Get medical attention if a large amount is swallowed.
<b>Inhalation:</b>	Remove victim to fresh air. If symptoms persist or breathing is difficult, get medical attention.
<b>Most Important Symptoms:</b>	Eye and respiratory irritation due to exposure to dust.
<b>Immediate medical attention / special treatment?</b>	No immediate medical attention anticipated.

## 5. Fire Fighting Measures

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<b>Suitable (and unsuitable) fire extinguishing media:</b>	Use extinguishing media appropriate for surrounding conditions.
<b>Specific hazards arising from the product</b>	Decomposes at 825 °C to produce calcium oxide and magnesium oxide.
<b>Special protective equipment and precautions for fire fighters</b>	Dust that becomes wet may cause surfaces to be extremely slippery and cause a slip hazard.

## 6. Accidental Release Measures

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### Personal precautions, protective equipment, emergency procedures:

Avoid eye and skin contact. Avoid generating airborne dust. Wear appropriate clothing to prevent skin contact. Wearing of standard SCBA should be adequate to protect against inhalation of dust.

### Methods and materials for containment and clean up:

Utilize cleanup methods that minimize generating dust: vacuum. Avoid dry sweeping. Water may be used to control dust, but wet dust can be very slippery and result in a slip hazard. Residue on surfaces may be removed with water or vinegar.

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## 7. Handling & Storage

**Safe Handling:** Avoid skin and eye contact. Avoid generating airborne dust. An eye wash station should be readily available when this product is handled.

**Safe Storage:** Store in dry, well ventilated areas, away from incompatible materials.

## 8. Exposure Controls/Personal Protection

### Occupational Exposure Limits

	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )	Ont. Reg. 833 TWAEV (mg/m <sup>3</sup> )
Calcium carbonate	15 5 (respirable)	10	10
Magnesium carbonate	15 5 (respirable)	10	10
silica - crystalline quartz	30 / (% silica +2) (total) 10 / (% silica +2) (respirable)	0.025 (respirable)	0.1

**Engineering Controls:** Use with adequate general or local exhaust ventilation and to maintain exposure below occupational exposure limits.

### Individual Protection Measures (Personal Protective Equipment):

**Specific Eye / Face Protection:** In windy conditions, or if work activity generates elevated airborne dust levels, dust proof or chemical goggles are recommended.

**Specific Skin Protection:** When prolonged skin contact is likely to occur, wear appropriate clothing and gloves.

**Specific Respiratory Protection:** If exposure limits are exceeded, an approved particulate respirator, or supplied air respirator, appropriate for the airborne concentrations, should be used. Selection and use of the respiratory protective equipment must be in accordance with applicable regulations and good industrial hygiene practices.

## 9. Physical & Chemical Properties

<b>Appearance:</b>	Solid, white or grey powder or stone
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not Applicable
<b>pH:</b>	9.4 in saturated water solution at 25 °C (77 °F)
<b>Melting Point/Freezing Point:</b>	950 °C (1742 °F)
<b>Boiling Point and range:</b>	2850 °C (5162 °F)

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<b>Flash Point:</b>	Not Applicable
<b>Evaporation Rate:</b>	Not Applicable
<b>Flammability:</b>	Not Available
<b>Upper/lower flammability or explosive limits</b>	Not Applicable
<b>Vapor pressure/density:</b>	Non Volatile
<b>Relative density:</b>	2.7
<b>Solubility:</b>	Slightly soluble in water: 0.013 g/L at 18 °C
<b>Partition coefficient: n-octanol/water</b>	Not Applicable
<b>Auto-ignition temperature:</b>	Not Available
<b>Decomposition temperature:</b>	950 °C (1742 °F)
<b>Viscosity:</b>	Not Applicable

## 10. Stability & Reactivity

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<b>Reactivity:</b>	Dissolves in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.
<b>Chemical stability:</b>	Stable under normal storage and handling conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	Extremely high or low temperatures. Incompatible materials.
<b>Incompatibility:</b>	Hydrofluoric acid. Strong oxidizers.
<b>Hazardous decomposition products:</b>	Calcium oxide.

## 11. Toxicological Information

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### Likely routes of exposure & symptoms:

<b>Eyes:</b>	Exposure to pulverized dust may cause irritation
<b>Skin:</b>	Exposure to pulverized dust may cause dryness and irritation
<b>Ingestion:</b>	No adverse effects expected for normal, incidental ingestion. If a large amount is swallowed, may cause gastrointestinal irritation, discomfort and blockage.
<b>Inhalation:</b>	Exposure to dust may cause irritation in nose, throat and lungs



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Revision date:  
Oct. 24, 2016

<b>Chronic health effects:</b>	This product contains trace amounts of crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica can cause silicosis, as serious lung disease.
<b>Respiratory or skin sensitization:</b>	This material is not known to cause sensitization
<b>Germ cell mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	This product is not listed as carcinogenic by OSHA, IARC, NTP, ACGIH, or the EU Directives. This product may contain trace amounts of crystalline silica quartz which is listed by IARC as "Carcinogenic to Humans" (Group 1) and "Known to be a Human Carcinogen" by NTP.
<b>Reproductive toxicity:</b>	No Data Available.
<b>Numerical Measures of Toxicity</b>	Crystalline Silica: Oral Rate LD <sub>50</sub> > 22,500 mg/kg

## 12. Ecological Information

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Because of the elevated pH of this product, it might be expected to produce some ecotoxicity upon exposure to certain aquatic organisms and aquatic systems in high concentrations  
This material shows no bioaccumulation effect or food chain concentration toxicity.

## 13. Disposal Considerations

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Dispose of contents in accordance with federal, state, provincial and local regulations.

## 14. Transport Information

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This product is not classified as a hazardous material under US DOT or Canadian TDG regulations.

## 15. Regulatory Information

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<b>CERCLA Hazardous Substances</b>	Not listed
<b>SARA Toxic Chemical (40 CFR 372.65)</b>	Not listed
<b>SARA Section 302 Extremely Hazardous Substances (40 CFR 355)</b>	Not listed
<b>SARA 311/312</b>	Not listed
<b>SARA Section 313 Toxic Chemicals reporting requirements</b>	none
<b>Threshold planning quantity (TPQ)</b>	Not listed
<b>RCRA Hazardous Waste Classification (40 CFR 261)</b>	Not Classified
<b>EPA Toxic Substances Control Act (TSCA) Status</b>	All of the components of this product are listed on the TSCA

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<b>California Proposition 65</b>	Airborne crystalline silica particulates of respirable size are known to the State of California to cause cancer.		
<b>NFPA ratings</b>	Health: 1	Fire: 0	Reactivity: 0
<b>HMIS Ratings</b>	Health: 1	Fire: 0	Reactivity: 0 Personal protection: A
<b>OSHA Specifically regulated substance (29 CFR 1910)</b>	Not listed		
<b>OSHA Air contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A)</b>	Listed		
<b>MSHA</b>	Not listed		
<b>Canada DSL</b>	Listed		
<b>Canadian WHMIS Classification</b>	D2A, Materials Causing other toxic effects.		



**Canada CPR** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation of Canada and this SDS contains all the required information.

## 16. Other Information

<b>List of GHS Hazard Statements:</b>	H316: Causes mild skin irritation H320: Causes eye irritation H350: May cause cancer by inhalation H372: Causes damage to lungs through prolonged or repeated exposure by inhalation.
<b>List of GHS Precautionary Statements:</b>	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P281: Use personal protective equipment as required

### Abbreviations

CERCLA	Comprehensive Environmental Response, Compensation and Liability Act	RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act	IARC	International Agency for Research on Cancer
NTP	National Toxicology Program		

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