



## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Printing date 4/24/2015

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### 1 Identification

- Product identifier

Trade Name: **Limestone**

Product description: **Limestone; sized Stone**

Use/Application of Product: **Construction, Agriculture, Aggregate**

- Details of the supplier of the safety data sheet:

Manufacturer/Supplier:

**Rohrer's Quarry, Inc.**

**16 Lititz Rd., Lititz, PA. 17543**

[safety@rohrer's.com](mailto:safety@rohrer's.com)

**717-587-5728 for product information**

**For Health Hazards/Emergency telephone number: 717-626-9786**

[www.rohrersquarry.com](http://www.rohrersquarry.com)

### 2 Hazard(s) Identification

HAZARD CLASSIFICATION:

- Classification of the substance or mixture
  - Category 1A Carcinogen
  - Category 1 Specific Target Organ Toxicity (STOT) following repeated exposures



**SIGNAL WORD: DANGER**

**HAZARD OVERVIEW:** Crushed limestone in its solid form does not present a health hazard under normal use and conditions.

However, dust formed from the use of limestone may releases the components noted in Section 3 as airborne particulates, posing an Inhalation hazard. Dust may cause irritation to eyes and/or respiratory system so avoid breathing excessive dust.

Long-term overexposure to respirable crystalline silica in the workplace may cause lung damage and silicosis. Crystalline silica is listed as a Group 1 carcinogen (carcinogenic to humans) by the IARC and NTP.



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### 2 Hazard(s) Identification cont.

PRIMARY ROUTE(S) OF EXPOSURE:	Inhalation
ADDITIONAL ROUTE(S) OR EXPOSURE:	Skin and/or eye contact
EYE CONTACT:	Nuisance dust
SKIN CONTACT:	Skin irritant
SKIN ASORPTION:	Non-hazardous
INGESTION:	May cause temporary irritation
INHALATION:	Dust generated during handling and use may contain respirable crystalline silica (quartz). Prolonged inhalation to respirable crystalline silica may cause silicosis. Occupational exposure to respirable dust in general and respirable crystalline silica should be monitored.

Potential Environmental **This material is alkaline and if released into water or moist soil will cause an increase in pH.**

Response: **If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.**

**If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.**

**If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.**

Storage: **Store in an appropriate container or containment structure.**

Disposal: **Dispose of contents/container in accordance with local/regional/national/international regulations.**

See Section 8 for exposure thresholds.



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### Section 3: Composition / Information on Ingredients

COMPONENT	CAS#	% BY WT.
Limestone/Dolomite	1317-65-3	≤ 95
Crystalline Silica	14808-60-7	> 0.1

### Section 4: First Aid Measures

- Eyes:** Immediately flush eyes with generous amounts of water or eye wash solution if water is unavailable. Pull back eyelid while flushing to ensure that all limestone dust has been washed out. Seek medical attention promptly if the initial flushing of the eyes does not remove the irritant. Do not rub eyes.
- Skin:** Brush off or remove as much dry limestone as possible. Wash exposed area with large amounts of water. If burned seriously or if irritation persists, seek medical attention promptly.
- Inhalation:** Move victim to fresh air. Allow the victim to rest in a well-ventilated area. Seek medical attention if coughing and other symptoms do not subside. If breathing has stopped, give artificial respiration.
- Ingestion:** Do not induce vomiting. If conscious give person 1 to 2 glasses of water. Seek medical attention immediately.



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**Section 5: Firefighting Measures**

**Fire Hazards: Limestone is not combustible or flammable. This product is not considered to be an explosion hazard, although reaction with incompatible materials, such as acids, may rupture containers.**

General Fire

**Hazards: See section 9 for Flammability Properties.  
None**

**Hazardous Combustion Products:  
None**

**Extinguishing Media: Use appropriate extinguishing media for surrounding fire.**

**Unsuitable Extinguishing Media:  
None**

**Fire Fighting Equipment/Instruction: Firefighters should wear full protective gear.**

Flashpoint.....	<b>None</b>	Lower Explosive Limit.....	<b>None</b>
Upper Explosive Limit.....	<b>None</b>	Auto ignition temperature.....	<b>Not Combustible</b>
Extinguishing media.....	<b>Not Combustible</b>	Special Firefighting procedures.....	<b>None</b>
<b>Hazardous combustion products.....</b>	<b>None</b>	Unusual fire and explosion hazards.....	<b>None</b>

**Section 6: Accidental Release Measures**

- Spill/Leak Procedures: Use proper protective equipment. Keep away from acids and other incompatible material.**
- Small Spills: Use dry methods to collect spilled materials. Avoid generation of dust. Do not clean up with compressed air. Store collected materials in dry, sealed plastic or non-aluminum metal containers. Residue on surfaces may be water washed.**
- Large Spills: Use dry methods to collect spilled materials. Evacuate area downwind of clean-up operations to minimize dust exposure. Store spilled materials in dry, sealed plastic or non-aluminum metal containers.**
- Containment: Minimize dust generation**
- Clean-up: Residual amounts of material can be flushed with large amounts of water. Equipment can be washed with either a mild vinegar and water solution, or detergent and water.**
- Environmental: Material is a natural mineral product and will not cause adverse effects to the water system.**



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**Section 7: Handling and Storage**

- Handling Procedures: **Avoid dust contact with eyes. Wear the appropriate eye protection against dust. Minimize dust generation and accumulation. Avoid breathing dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded. Use good safety and industrial hygiene practices.**
- Storage Procedures: **Store in a closed container in a ventilated area away from sources of heat, moisture and incompatible materials.**
- Incompatibilities: **Acids react violently to produce heat.**

**Section 8: Exposure Controls/Personal Protection**

COMPONENT	CAS#	Exposure Limits
Limestone	1317-65-3	OSHA PEL: 15 mg/m3 (total Dust) 5mg/m3 (respirable) ACGIH TLV: 5mg/m3 (respirable) 15mg/m3 (total)
Crystalline Silica	14808-60-7	OSHA PEL: 10mg/m3 divided by (the percentage of Silica in the dust plus 2 (respirable) ACGIH TLV: 0.025 mg/m3

- Skin Protection: **Wash dust-exposed skin with water before eating, drinking, smoking, and using the toilet facilities. Wear impervious gloves to eliminate skin contact.**
- Respiratory Protection: **Avoid actions that cause dust to become airborne. Use local or general exhaust ventilation to control exposures below applicable exposer limits.**
- Use NIOSH/MSHA approved (under 30 CFR 11) or NIOSHA approved (under 42 CFR 84) respirators in poorly ventilated areas, if an applicable exposure limit is exceeded, or when dust causes discomfort or irritation. (Advisory: Respirators and filters purchased after June 10<sup>th</sup>, 1998 must be certified under 42 CFR 84.)**
- Ventilation: **Use local exhaust or general dilution ventilation to control exposure within applicable limits.**
- Eye Protection: **Safety glasses with side shields should be worn as minimum protection. In extremely dusty environments and unpredictable environments wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with products which may generate airborne dust.**



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### Section 9: Physical and Chemical Properties

Appearance:	<b>White, grayish-white rock</b>	Odor:	<b>No distinct odor</b>
Physical State:	<b>Solid/Powder</b>	Solubility in Water:	<b>Yes, slightly</b>
Vapor pressure:	<b>N/A</b>	Vapor density:	<b>N/A</b>
Boiling point:	<b>N/A</b>	Melting point:	<b>N/A</b>
Specific gravity:	<b>N/A</b>		

### Section 10: Stability and Reactivity

Stability: **Stable**

Conditions to avoid: **Avoid contact with incompatible materials (see below)**

Incompatibility: **Materials to avoid include: powerful oxidizing agents such as fluoride, boron trifluoride, chlorine trifluoride, manganese trifluoride and oxygen defluoride. Contact of these materials may cause fire and/or explosions. Silica dissolves in hydrofluoric acid producing a corrosive gas – silicon tetrafluoride.**

Hazardous decomposition: **Will not spontaneously occur. Silica-containing respirable dust particles may be generated by handling**

Hazardous Polymerization: **Will not occur**

### Section 11: Toxicological Information

An LD50 of 6450/kg (Rat, oral) has been identified for this product. Limestone is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain trace amounts of crystalline silica, which has been classified by IARC as carcinogenic to humans when inhaled in the form of quartz or cristobalite.

### Section 12: Ecological Information

**Will not spontaneously occur. Silica-containing respirable dust particles may be generated by handling.**

Relevant physical and chemical properties: **(See section 9 and 10)**

### Section 13: Disposal Considerations

Pick-up and reuse clean materials. Dispose of waste materials in accordance with applicable federal, state, and local laws and regulations. Where applicable, dispose of bags in an approved landfill or incinerator.



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### Section 14: Transportation Information

Limestone is not classified as a hazardous material by US DOT and is not regulated by the Transportation of Dangerous Goods (TDG) When shipped by any mode of transport.

### Section 15: Regulatory Information

U.S. EPA Regulations: RCRA Hazardous Waste Number (40 CFR 261.33): not listed  
 RCRA Hazardous Waste Classification (40 CFR 261): not classified  
 CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001;  
 CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112  
 CERCLA Reportable Quantity (RQ), not listed  
 SARA 311/312 Codes: not listed  
 SARA Toxic Chemical (40 CFR 372.65): not listed  
 SARA EHS (Extremely Hazardous Substances) (40 CFR 355): not listed  
 Planning Quantity (TPQ): not listed  
 All chemical ingredients are listed on the US EPA TSCA Inventory List.

OSHA/MSHA Regulations: Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): 5mg/M3 TWA-8  
 MSHA: not listed  
 OSHA Specifically Regulated Substance (29 CFR 1910): not listed

State Regulations: Consult state and local authorities for guidance. Components found in this product may contain trace amounts of inherent natural occurring elements (such as, but not limited to arsenic and cadmium) that may be regulated under California Proposition 65 and other States regulations.



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### Section 16: Other Information

Prepared BY: **Rohrer's Quarry, Inc. Compliance Management**  
Date Prepared: **4/22/2015**

Other important information: **This product should only be used by knowledgeable persons. While the information provided in this safety data sheet is believed to provide a useful summary of the hazards his product as it is commonly used, the sheet cannot anticipate and provide that all the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product.**

**SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANT ABILITY OR FITNESS THEREOF FOR ANY PRUPOSE OF CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY Rohrer's Quarry, Inc. to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyers exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or from non-delivery of product, and whether based on contract, breach of warranty, negligence, or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.**