



## Safety Data Sheet

### Section 1: Identification

#### Product identifier

**Product Name**

- **Pennington Fast Acting Lime**

**Synonyms**

- 100517668; 100519383; UPC #: 0-21496-29766-6; UPC #: 0-21496-29798-9

**Product Description**

- Light brown granule.

#### Relevant identified uses of the substance or mixture and uses advised against

**Recommended use**

- Lime soil amendment.

**Restrictions on use**

- Avoid contact with eyes and skin. Keep out of the reach of children. Avoid breathing dust.

#### Details of the supplier of the safety data sheet

**Manufacturer**

- Central Garden & Pet, Garden Division  
1000 Parkwood Circle, Suite 700  
Atlanta, GA 30339  
United States  
  
www.pennington.com

#### Emergency telephone number

**Manufacturer**

- 1-800-265-0761

**Manufacturer (Transportation)**

- 1-800-424-9300 - CHEMTREC

**Manufacturer (Transportation)**

- 1-703-527-3887 - CHEMTREC - Outside US Collect Calls Accepted

### Section 2: Hazard Identification

#### United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

#### Classification of the substance or mixture

**OSHA HCS 2012**

- Carcinogenicity 1A  
Specific Target Organ Toxicity Repeated Exposure 1

#### Label elements

**OSHA HCS 2012**

**DANGER**



- Hazard statements**
- May cause cancer.  
Causes damage to organs through prolonged or repeated exposure.

## Precautionary statements

- Prevention** • Do not breathe dust, fume, gas, mist, vapors and/or spray.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not handle until all safety precautions have been read and understood.  
Obtain special instructions before use.
- Response** • IF exposed or concerned: Get medical advice/attention.  
Get medical advice/attention if you feel unwell.
- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.  
Store locked up.

## Other hazards

### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Section 3 - Composition/Information on Ingredients

### Substances

- Material does not meet the criteria of a substance.

### Mixtures

Composition		
Chemical Name	Identifiers	%
Limestone	CAS:1317-65-3	97.5%
Lignosulfonate	CAS 8061-52-7	2%
Anionic Polyacrylamide	CAS 9003-05-8	0.5%
Silica, crystalline - quartz	CAS:14808-60-7	0.1% TO 1.5%

## Section 4: First-Aid Measures

### Description of first aid measures

#### Inhalation

- IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or doctor if you feel unwell.

#### Skin

- IF ON SKIN: Wash skin with soap and water.

#### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Ingestion

- IF SWALLOWED: Call a poison control center or physician for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless instructed to do so by poison control or physician. Do not give anything by mouth to

an unconscious person.

### **Most important symptoms and effects, both acute and delayed**

- May cause cancer. Repeated or prolonged exposure causes damage to organs - lungs. Refer to Section 11 - Toxicological Information.

### **Indication of any immediate medical attention and special treatment needed**

- Notes to Physician**
- Treat symptomatically and supportively.

## **Section 5: Fire-Fighting Measures**

### **Extinguishing media**

**Suitable Extinguishing Media** • Use water, foam, carbon dioxide, or dry chemical.

**Unsuitable Extinguishing Media** • None known.

**Firefighting Procedures** • No data available.

### **Special hazards arising from the substance or mixture**

**Unusual Fire and Explosion Hazards** • Material is non-combustible and is not expected to pose a fire or explosion hazard.

**Hazardous Combustion Products** • Non-combustible.

### **Advice for firefighters**

- Wear positive pressure self-contained breathing apparatus (SCBA).

## **Section 6 - Accidental Release Measures**

### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** • Avoid dust formation and breathing dust. Use appropriate Personal Protective Equipment (PPE).

**Emergency Procedures** • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

### **Environmental precautions**

- Do not allow runoff into water, storm drains or drainage ditches.

### **Methods and material for containment and cleaning up**

**Containment/Clean-up Measures** • Sweep or scoop up spills, dispose of any unusable material in approved landfill.

## **Section 7 - Handling and Storage**

### **Precautions for safe handling**

**Handling** • Use good safety and industrial hygiene practices. Avoid contact with skin or eyes. Wash thoroughly with soap and water after handling. Avoid breathing dust.

### **Conditions for safe storage, including any incompatibilities**

**Storage**

- Store in cool, dry, secure place. Keep out of reach of children. Store locked up.

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

**Control parameters**

**Exposure Limits/Guidelines** • No data available.

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Silica, crystalline - quartz (14808-60-7)	TWAs	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	0.05 mg/m <sup>3</sup> TWA (respirable dust)	0.05 mg/m <sup>3</sup> TWA (respirable dust)
Limestone (1317-65-3)	TWAs	Not established	10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)

**Exposure Limits Supplemental OSHA**

•Silica, crystalline - quartz (14808-60-7): **Mineral Dusts:** ((30)/(%SiO<sub>2</sub> + 2) mg/m<sup>3</sup> TWA, total dust; (250)/(%SiO<sub>2</sub> + 5) mppcf TWA

**Exposure controls**

**Engineering Measures/Controls**

- Use only with adequate ventilation to keep exposures (airborne levels of dust) below recommended exposure limits.

**Personal Protective Equipment**

**Pictograms**



**Respiratory**

- If airborne dust is present or in case of inadequate ventilation, use appropriate NIOSH approved respiratory protection.

**Eye/Face**

- Wear safety glasses.

**Hands**

- Wear appropriate gloves.

**Skin/Body**

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact.

**Environmental Exposure Controls**

- No data available

**Section 9 - Physical and Chemical Properties**

**Information on Physical and Chemical Properties**

Material Description			
Physical Form	Solid	Appearance/Description	Light brown granule.
Color	Light brown.	Odor	Mineral
Odor Threshold	No data available		
General Properties			
Boiling Point	Not relevant	Melting Point/Freezing Point	No data available

Decomposition Temperature	No data available	pH	Neutral
Specific Gravity/Relative Density	2.7 to 2.9 Water=1	Water Solubility	Soluble
Viscosity	Not relevant		
<b>Volatility</b>			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	0
VOC (Vol.)	0		
<b>Flammability</b>			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion ( $\Delta H_c$ )	No data available
Flammability (solid, gas)	No data available		
<b>Environmental</b>			
Octanol/Water Partition coefficient	No data available		

## Section 10: Stability and Reactivity

### Reactivity

- Non-reactive under normal handling and storage conditions.

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- Strong oxidizers. Strong acids.

### Incompatible materials

- Strong oxidizers. Strong acids.

### Hazardous decomposition products

- Thermal decomposition may produce: calcium oxide, nitrogen oxides, carbon oxides, sulfur oxides, and hydrogen cyanide.

## Section 11 - Toxicological Information

### Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met

<b>Respiratory sensitization</b>	OSHA HCS 2012 • Classification criteria not met
<b>Aspiration Hazard</b>	OSHA HCS 2012 • Classification criteria not met
<b>Carcinogenicity</b>	OSHA HCS 2012 • Carcinogenicity 1A
<b>Germ Cell Mutagenicity</b>	OSHA HCS 2012 • Classification criteria not met
<b>Toxicity for Reproduction</b>	OSHA HCS 2012 • Classification criteria not met
<b>STOT-SE</b>	OSHA HCS 2012 • Classification criteria not met
<b>STOT-RE</b>	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1

**Medical Conditions Aggravated by Exposure Potential Health Effects Inhalation**

- Respiratory problems may be aggravated by inhalation of nuisance dust.
- Acute (Immediate)**
- Acute Silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Exposure to dust may cause mild respiratory irritation. Coughing, sneezing, or shortness of breath may occur following exposures in excess of exposure limits.
- Chronic (Delayed)**
- Repeated and prolonged exposure may cause irritation and/or lung damage - silicosis, fibrosis, inflammation, cancer.

**Skin**

- Acute (Immediate)**
- Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)**
- No data available

**Eye**

- Acute (Immediate)**
- Exposure to dust may cause mechanical irritation.
- Chronic (Delayed)**
- No data available

**Ingestion**

- Acute (Immediate)**
- May be harmful if swallowed. May cause gastrointestinal tract irritation, weakness, or headache. Intestinal obstruction may occur if the material hardens.
- Chronic (Delayed)**
- No data available

**Mutagenic Effects**

- Not classified.

**Carcinogenic Effects**

- Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.

<b>Carcinogenic Effects</b>			
	<b>CAS</b>	<b>IARC</b>	<b>NTP</b>
Silica, crystalline - quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen

- Reproductive Effects**
- Not classified.

**Section 12 - Ecological Information**

**Toxicity**

- No data available

**Persistence and degradability**

- No data available.

**Bioaccumulative potential**

- No data available.

**Mobility in Soil**

- No data available.

**Other adverse effects**

**Potential Environmental Effects**

- No data available.

**Section 13 - Disposal Considerations**

**Waste treatment methods**

**Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Section 14 - Transport Information**

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

**Special precautions for user**

- None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

- No data available

**Other information**

IMO/IMDG • No data available

IATA/ICAO • No data available

**Section 15 - Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Hazard Classifications** • Chronic

Inventory		
Component	CAS	TSCA
Limestone	1317-65-3	Yes
Silica, crystalline - quartz	14808-60-7	Yes

**United States - California**

**Environment**

**U.S. - California - Proposition 65 - Carcinogens List**

• Limestone	1317-65-3	Not Listed carcinogen, initial date 10/1/88
• Silica, crystalline - quartz	14808-60-7	(airborne particles of respirable size)

**Section 16 - Other Information**

- Revision Date** • 31/August/2016
- Last Revision Date** • 31/August/2016
- Preparation Date** • 31/August/2016
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