

## 1 Identification of substance

- **Product details**
- **Trade name: Pelletized Lime**
- **Manufacturer/Supplier:**  
LWB Refractories  
232 East Market Street  
P.O. Box 1189  
York, PA 17405
- **Information department:**  
Compliance Department  
LWB Refractories: 717-793-5463
- **Emergency information:**  
Chemtrec: 800-424-9300  
LWB Refractories: 717-793-5463

## 2 Composition/Data on components

- **Chemical Characterization**

· <b>CAS No. Description</b>		
16389-88-1	dolomite	50-100%
	Sodium Salt Lignin Binder	<5%
1344-95-2	Calcium Silicate	<5%
1302-76-7	Aluminum Silicate	<5%
7778-18-9	calcium sulphate, natural	<5%
1309-37-1	Iron Oxide	<5%
14808-60-7	Crystalline Silica, Quartz	<1%

- **Chemical characterization**
- **Description:**  
Mixture: consisting of the following components.  
Refer to product data sheet for more details.

## 3 Hazards identification

- **Hazard description:** Not applicable.
- **Carcinogenicity:**  
The International Agency for Research on Cancer (IARC) has classified crystalline silica as a Group 1 Carcinogen "sufficient evidence of carcinogenicity in humans".
- **Information pertaining to particular dangers for man and environment:** Not applicable.
- **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

(Contd. of page 1)

#### 4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap
- **After eye contact:** Rinse opened eye for several minutes under running water.

#### 5 Fire fighting measures

- **Suitable extinguishing agents:** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:** No dangerous substances are released.

#### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in dry conditions.  
Store in a cool place.

#### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

1344-95-2 Calcium Silicate (<5%)	
PEL (USA)	15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (USA)	10 mg/m <sup>3</sup> (e)
EL (Canada)	10 mg/m <sup>3</sup>

(Contd. on page 3)

(Contd. of page 2)

<b>7778-18-9 calcium sulphate, natural (&lt;5%)</b>	
PEL (USA)	15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (USA)	10 I mg/m <sup>3</sup>
EL (Canada)	10 mg/m <sup>3</sup>
<b>1309-37-1 Iron Oxide (&lt;5%)</b>	
PEL (USA)	10 mg/m <sup>3</sup> Fume
REL (USA)	5 mg/m <sup>3</sup> Dust & fume, as Fe
TLV (USA)	5 R mg/m <sup>3</sup>
EL (Canada)	Short-term value: 10** mg/m <sup>3</sup> Long-term value: 5* mg/m <sup>3</sup> *dust and fume; **fume
<b>14808-60-7 Crystalline Silica, Quartz (&lt;1%)</b>	
PEL (USA)	see Quartz listing
REL (USA)	0.05* mg/m <sup>3</sup> *respirable dust
TLV (USA)	0.025 R mg/m <sup>3</sup>
EL (Canada)	0.025 mg/m <sup>3</sup> ACGIH A2; IARC 1

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Solid
<b>Color:</b>	Light brown

(Contd. on page 4)

(Contd. of page 3)

<b>Odor:</b>	Characteristic
· <b>Change in condition</b> <b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not applicable.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density:</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Slightly soluble.

## 10 Stability and reactivity

- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.
- **Additional information:** None

## 11 Toxicological information

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Remarks:**  
This product is not a hazardous material as defined in 49 U.S. CFR Part 172. It is not defined as hazardous in the IATA Regulations, Section 4.2.

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(Contd. on page 5)

## 15 Regulations

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

16389-88-1	dolomite
1344-95-2	Calcium Silicate
7778-18-9	calcium sulphate, natural
1309-37-1	Iron Oxide
14808-60-7	Crystalline Silica, Quartz

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **IARC (International Agency for Research on Cancer)**

1309-37-1	Iron Oxide	3	<5%
14808-60-7	Crystalline Silica, Quartz	1	<1%

· **NTP (National Toxicology Program)**

14808-60-7	Crystalline Silica, Quartz	K	<1%
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## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Recommended restriction of use** For professional use only