

Material Safety Data Sheet

Printing date 10/20/2015

Reviewed on 10/20/2015

1 Identification

- **Product identifier**
- **Trade name: CP Lime**
- **Other Names: CP-1 LIME**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Manufacturer/Supplier:**
Baker Lime
320 North Baker Road
York, PA 17408
- **Information department:** Compliance Department: 717-793-5463
- **Emergency telephone number:**
Chemtrec: 800-424-9300
Magnesita: 717-793-5463

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 1A H350 May cause cancer.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms** GHS05, GHS08

- **Signal word** Danger

- **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H350 May cause cancer.

- **Precautionary statements**

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

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P308+P313 IF exposed or concerned: Get medical advice/attention.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Carcinogenicity:**

The International Agency for Research on Cancer (IARC) has classified crystalline silica as a Group 1 Carcinogen "sufficient evidence of carcinogenicity in humans".

· **Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Substances**

| · CAS No. Description | | |
|------------------------------|----------------------------|--------|
| 16389-88-1 | dolomite | 25-50% |
| 1344-95-2 | Calcium Silicate | 10-25% |
| 1302-76-7 | Aluminum Silicate | 10-25% |
| 7778-18-9 | calcium sulphate, natural | 10-25% |
| 1309-37-1 | Iron Oxide | <10% |
| 1305-78-8 | calcium oxide | <10% |
| 1309-48-4 | magnesium oxide | <10% |
| 1305-62-0 | Calcium Hydroxide | <5% |
| 14808-60-7 | Crystalline Silica, Quartz | <1% |

· **Chemical characterization: Mixtures**

· **Description:**

Mixture: consisting of the following components.
 Refer to product data sheet for more details.

· **Additional information:** Contains agricultural liming material industrial by-product.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.
 Seek medical treatment in case of complaints.

· **After skin contact:**

Wash with water and soap
 Immediately rinse with water.

· **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

· **Information for doctor:**

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

No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of dust.
- **Information about protection against explosions and fires:**
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **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:**
Keep receptacle tightly sealed.
Store in dry conditions.
Store in a cool place.
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

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

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

1344-95-2 Calcium Silicate (10-25%)

| | |
|-------------|--|
| PEL (USA) | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction |
| REL (USA) | Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction |
| TLV (USA) | Long-term value: 10 mg/m ³ synthetic nonfibrous, E |
| EL (Canada) | Long-term value: 10* 3** mg/m ³ *total dust, **respirable fraction |
| EV (Canada) | Long-term value: 10 mg/m ³ total dust |

7778-18-9 calcium sulphate, natural (10-25%)

| | |
|-------------|---|
| PEL (USA) | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction |
| REL (USA) | Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction |
| TLV (USA) | Long-term value: 10* mg/m ³ *as inhalable fraction |
| EL (Canada) | Long-term value: 10 mg/m ³ inhalable |
| EV (Canada) | Long-term value: 10 mg/m ³ inhalable |

1309-37-1 Iron Oxide (<10%)

| | |
|-------------|--|
| PEL (USA) | Long-term value: 10* 15** 5*** mg/m ³ *Fume; Rouge: **Total dust, ***respirable |
| REL (USA) | Long-term value: 5 mg/m ³ Dust & fume, as Fe |
| TLV (USA) | Long-term value: 5* mg/m ³ *as respirable fraction |
| EL (Canada) | Short-term value: 10** mg/m ³ Long-term value: 5* 10*** 3**** mg/m ³ *dust & fume**fume; Rouge: ***total dust****resp. |
| EV (Canada) | Long-term value: 5* 10** mg/m ³ *respirable, including Rouge;**total dust |

1305-78-8 calcium oxide (<10%)

| | |
|-------------|--------------------------------------|
| PEL (USA) | Long-term value: 5 mg/m ³ |
| REL (USA) | Long-term value: 2 mg/m ³ |
| TLV (USA) | Long-term value: 2 mg/m ³ |
| EL (Canada) | Long-term value: 2 mg/m ³ |
| EV (Canada) | Long-term value: 2 mg/m ³ |

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1309-48-4 magnesium oxide (<10%)

| | |
|-------------|--|
| PEL (USA) | Long-term value: 15* mg/m ³ fume; *total particulate |
| TLV (USA) | Long-term value: 10* mg/m ³ *as inhalable fraction |
| EL (Canada) | Short-term value: 10** mg/m ³ Long-term value: 10* 3** mg/m ³ *inhalable fume;**respirable dust and fume |
| EV (Canada) | Long-term value: 10 mg/m ³ inhalable |

1305-62-0 Calcium Hydroxide (<5%)

| | |
|-------------|---|
| PEL (USA) | Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction |
| REL (USA) | Long-term value: 5 mg/m ³ |
| TLV (USA) | Long-term value: 5 mg/m ³ |
| EL (Canada) | Long-term value: 5 mg/m ³ |
| EV (Canada) | Long-term value: 5 mg/m ³ |

14808-60-7 Crystalline Silica, Quartz (<1%)

| | |
|-------------|---|
| PEL (USA) | see Quartz listing |
| REL (USA) | Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A |
| TLV (USA) | Long-term value: 0.025* mg/m ³ *as respirable fraction |
| EL (Canada) | Long-term value: 0.025 mg/m ³ ACGIH A2; IARC 1 |
| EV (Canada) | Long-term value: 0.10* mg/m ³ *respirable fraction |

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Store protective clothing separately.
 - Avoid contact with the eyes.
- **Breathing equipment:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
 - Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

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· **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.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

| | |
|------------------|-----------------|
| Form: | Solid |
| Color: | Light grey |
| Odor: | Characteristic |
| Odour threshold: | Not determined. |

· **pH-value:** Not applicable.

· **Change in condition**

| | |
|------------------------------|---------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | Undetermined. |

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

| | |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

· **Vapor pressure:** Not applicable.

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapour density** Not applicable.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**

Water: Slightly soluble.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not applicable.

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| | |
|--------------------------|--|
| Kinematic: | Not applicable. |
| Other information | No further relevant information available. |

10 Stability and reactivity

- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.
- **Additional information:** None

11 Toxicological information

- **Information on toxicological effects**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.

- **Carcinogenic categories**

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

| | | | |
|------------|----------------------------|---|------|
| 1309-37-1 | Iron Oxide | 3 | <10% |
| 14808-60-7 | Crystalline Silica, Quartz | 1 | <1% |

- **NTP (National Toxicology Program)**

| | | | |
|------------|----------------------------|---|-----|
| 14808-60-7 | Crystalline Silica, Quartz | K | <1% |
|------------|----------------------------|---|-----|

- **OSHA (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Water hazard class 1 (Self-assessment): slightly hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

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

14 Transport information

| | |
|--|---|
| · Class | Void |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · 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. |
| · UN "Model Regulation": | - |

15 Regulatory information

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

· **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 |
| 1305-78-8 | calcium oxide |
| 1309-48-4 | magnesium oxide |
| 1305-62-0 | Calcium Hydroxide |
| 14808-60-7 | Crystalline Silica, Quartz |

· **Chemicals known to cause cancer:**

| | | |
|------------|----------------------------|-----|
| 14808-60-7 | Crystalline Silica, Quartz | <1% |
|------------|----------------------------|-----|

· **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.

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· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms GHS05, GHS08**· Signal word** Danger**· Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H350 May cause cancer.

· Precautionary statements

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**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**· Date of preparation / last revision** 10/20/2015 / 3**· Abbreviations and acronyms:**

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Carc. 1A: Carcinogenicity, Hazard Category 1A