



# MOHAWK MATERIALS CO., INC.

## Safety Data Sheet Mortars

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

### Section 1 Identification

**Product Name:** Mortar Mix  
Pro Grade Mortar Mix  
Stucco Mix  
Commercial Grade Mortar Mix  
Sand Mix

**Recommended uses:** Construction materials

**Manufacturer:** Mohawk Materials Co., Inc.  
PO Box 640  
Sand Springs, OK 74063  
(918) 584-2707 (Phone Number)  
(918) 584-2708 (Fax)  
[www.mohawkmaterials.com](http://www.mohawkmaterials.com)

### Section 2 Hazards Identification

#### GHS-US Classification

Skin corrosion: 1B  
Serious Eye Damage: 1  
Skin Sensitization: 1  
Carcinogenicity: 1A  
Specific Target Organ Toxicity after single exposure: 3  
Specific Target Organ Toxicity after repeated exposure: 1

#### GHS-US Labeling

Hazard pictograms (GHS-US):



Signal word (GHS-US):

Danger.

Hazard statements (GHS-US):

Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause cancer. May cause respiratory irritation. Causes damage to lungs through prolonged or repeated exposure.

## Section 2 Hazards Identification (continued)

### Prevention statements (GHS-US):

Read label before use. Keep out of reach of children. Do not get in eyes, on skin or on clothing. Do not breathe dust. Use the proper respirator, when necessary, to avoid injury. Wash exposed skin thoroughly after handling. Wear protective gloves, clothing, and eye and face protection.

### Response statements (GHS-US):

If exposed or concerned: Get medical attention. If swallowed or in eyes: Immediately call a doctor. Rinse mouth. DO NOT induce vomiting. If on skin (or hair): take off immediately all contaminated clothing and wash before reuse. Wash exposed skin with plenty of clean water and mild soap. If inhaled: remove person to fresh air and keep comfortable for breathing.

### Storage statements (GHS-US):

Use only outdoors or in a well-ventilated area.

### Disposal statements (GHS-US):

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

### Supplemental information:

Read and follow all precautions listed in the Safety Data Sheet available on request or at [www.mohawkmaterials.com](http://www.mohawkmaterials.com). Additional information on the selection and use of respirators can be found in the *NIOSH Respirator Selection Logic* (DHHS (NIOSH) Publication No. 2005-100) and the *NIOSH Guide to Industrial Respiratory Protection* (DHHS (NIOSH) Publication No. 87-116) available at: <http://www.cdc.gov/niosh/docs/87-116/>.

This product contains greater than 0.1% crystalline silica. Crystalline silica has been linked to cancer, silicosis, and other lung problems in conditions of prolonged airborne over-exposure. Keep product dry until use. Avoid contact with bleed water from wet product. Clothing saturated with wet product can result in delayed, serious alkali skin burns.

### Other hazards not contributing to the classification:

Not applicable.

### *Unknown Acute Toxicity (GHS-US)*

#### Mortar Mix:

16% of the mixture consists of ingredient(s) of unknown acute toxicity.

#### Pro Grade Mortar Mix:

18% of the mixture consists of ingredient(s) of unknown acute toxicity.

## Section 2 Hazards Identification (continued)

**Stucco Mix:** 18% of the mixture consists of ingredient(s) of unknown acute toxicity.

**Commercial Grade Mortar Mix:** 20% of the mixture consists of ingredient(s) of unknown acute toxicity.

**Sand Mix:** 16% of the mixture consists of ingredient(s) of unknown acute toxicity.

## Section 3 Composition/Information on Ingredients

**Substance:** Not applicable.

**Mixture**

Name	Product Identifier	%	GHS-US Classification
Quartz	(CAS No.) 14808-60-7	72.5 – 79	Carc. 1A STOT RE 1
Cement, portland, chemicals	(CAS No.) 65997-15-1	9 – 22	Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 STOT SE 3
Calcium magnesium hydroxide (Ca/Mg(OH) <sub>4</sub> )	(CAS No.) 39445-23-3	4 – 10 <sup>1</sup>	Skin Irrit. 2 Eye Dam. 1 STOT SE 3
Calcium hydroxide	(CAS No.) 1305-62-0	2 – 7	Skin Irrit. 2 Eye Dam. 1 STOT SE 3
Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	(CAS No.) 1309-37-1	1 – 7 <sup>2</sup>	Not classified
Magnesium oxide (MgO)	(CAS No.) 1309-48-4	1 – 5.5	Not classified
Limestone	(CAS No.) 1317-65-3	0.5 – 3.5	Not classified
Gypsum (Ca(SO <sub>4</sub> ).2H <sub>2</sub> O)	(CAS No.) 13397-24-5	0.9 - 1.9	Not classified
Calcium oxide	(CAS No.) 1305-78-8	0.4 – 1	Skin Cor. 1C
Flue dust, portland cement	(CAS No.) 68475-76-3	0.3 - 06 <sup>3</sup>	Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 STOT SE 3

<sup>1</sup>Granite Setting Mortar – Grey, Mortar Mix, PLM, PL (PRS), Portland Lime Mortar Type N (PLN), Portland Lime Mortar Type S (PLS), Rock Mud, Stone Veneer Mortar, Tile Mortar

<sup>2</sup>PLM, Portland Lime Mortar Type N (PLN), Portland Lime Mortar Type S (PLS), Pro Mix PLO, Pro Mix Stone Veneer Mortar PM, Stone Veneer Mortar

<sup>3</sup>Pro Mix PLO, Pro Mix Stone Veneer Mortar PM, Pro Mix Stucco, White Mortar

## Section 4 First Aid Measures

### *Description of first aid measures*

**Inhalation:**

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Get immediate medical advice/attention.

**Eye Contact:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**Ingestion:**

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

### *Most important symptoms and effects (both acute and delayed)*

**After Inhalation:**

May cause respiratory tract irritation.

**After Skin Contact:**

Causes severe skin burns. Symptoms may include redness, pain, blisters. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. May cause sensitization by skin contact.

**After Eye Contact:**

Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**After Ingestion:**

May be harmful if swallowed. May cause stomach distress, nausea, or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## Section 5 Fire-Fighting Measures

**Suitable extinguishing media:**

Treat for surrounding material.

**Unsuitable extinguishing media:**

None known.

**Fire hazard:**

Product does not burn; however its packaging may. Products of combustion may include, and are not limited to: oxides of carbon.

**Firefighting instructions:**

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## Section 6 Accidental Release Measures

<b>General measures:</b>	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid contact with skin and eyes.
<b>For containment:</b>	Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
<b>Methods for cleaning up:</b>	Vacuum or sweep material and place in a disposal container. Provide ventilation.

## Section 7 Handling and Storage

<b>Precautions for safe handling:</b>	Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. Good housekeeping is important to prevent accumulation of dust. The use of compressed air for cleaning clothing, equipment, etc., is not recommended. Handle an open container with care. When using do not eat, drink, or smoke.
<b>Hygiene measures:</b>	Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
<b>Storage conditions:</b>	Keep out of reach of children. Avoid any dust build up by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Clean up spilled material promptly.

## Section 8 Exposure Controls/Personal Protection

### Control parameters

<b>Quartz (14808-60-7)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	(30)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> (total dust); (250)/( %SiO <sub>2</sub> + 5) mppcf (respirable fraction); (10)/( %SiO <sub>2</sub> + 2) mg/m <sup>3</sup> (respirable fraction)
<b>Cement, portland, chemicals (65997-15-1)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (respirable fraction)
OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
<b>Calcium magnesium hydroxide (CaMg(OH)<sub>4</sub>) (39445-23-3)</b>		
ACGIH	Not applicable	
OSHA	Not applicable	
<b>Calcium hydroxide (1305-62-0)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable fraction)
<b>Iron oxide (Fe<sub>2</sub>O<sub>3</sub>)(1309-37-1)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction)
OSHA	OSHA PEL (TWA) mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume); 15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable fraction)
<b>Magnesium oxide (MgO) (1309-48-4)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable fraction)
OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (fume, total particulate)
<b>Limestone (1317-65-3)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust);
OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable fraction)
<b>Gypsum (Ca(SO<sub>4</sub>).2H<sub>2</sub>O) (13397-24-5)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable fraction);
USA OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup> (respirable fraction)
<b>Calcium oxide (1305-78-8)</b>		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
<b>Flue dust, Portland cement (68475-76-3)</b>		
ACGIH	Not applicable	10 mg/m <sup>3</sup> (as inhalable fraction, PNOS); 3 mg/m <sup>3</sup> (as respirable fraction, PNOS)
OSHA	Not applicable	15 mg/m <sup>3</sup> (as total dust, PNOS); 5 mg/m <sup>3</sup> (as respirable fraction, PNOS)

## Section 8 Exposure Controls/Personal Protection (continued)

### ***Exposure controls***

#### **Appropriate engineering controls:**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

#### **Hand protection:**

Wear suitable gloves.

#### **Eye protection:**

Wear approved eye protection (properly fitted dust-or-splash-proof chemical safety goggles) and face protection (face shield).

#### **Skin and body protection:**

Wear suitable clothing common to do-it-yourself projects.

#### **Respiratory protection:**

A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

#### **Environmental exposure controls:**

Maintain levels below community environmental protection thresholds.

#### **Other information:**

Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

## Section 9 Physical and Chemical Properties

Physical state:	Solid
Appearance:	Powder
Color:	Various
Odor:	No data available
Odor threshold:	No data available
pH:	Highly alkaline when wet
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Relative evaporation rate (butylacetate+1):	No data available
Flammability (solid, gas):	Not flammable
Explosive limits:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Vapor pressure:	No data available
Relative density:	No data available
Relative vapor density at 20° C:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Log Kow:	No data available
Auto-Ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
VOC content:	No data available

## Section 10 Stability and Reactivity

<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use. An alkali reaction from components of portland cement will corrode aluminum.
<b>Chemical Stability:</b>	Stable under normal storage conditions. Keep dry in storage.
<b>Possibility of hazardous reactions:</b>	No dangerous reaction known under conditions of normal use. Do not mix with other chemicals.
<b>Conditions to avoid:</b>	Moisture – product must be kept dry until ready to use.
<b>Incompatible materials:</b>	None known.
<b>Hazardous decomposition products:</b>	None known.

## Section 11 Toxicological Information

Acute toxicity: Not classified.

<b>Mortars Group 1</b> LD50 oral rat LD50 dermal rabbit LC50 inhalation rate	>2000 mg/kg No data available No data available
<b>Calcium hydroxide (1305-62-0)</b> LD50 oral rat	7340 mg/kg
<b>Iron oxide (Fe<sub>2</sub>O<sub>3</sub>) (1309-37-1)</b> LD50 oral rat	>10000 mg/kg
<b>Magnesium oxide (MgO) (1309-48-4)</b> LD50 oral rat	>5000 mg/kg
<b>Limestone (1317-65-3)</b> LD50 oral rat	6450 mg/kg
<b>Calcium oxide (1305-78-8)</b> LD50 oral rat	>2000 mg/kg
<b>Flue dust, Portland cement (68475-76-3)</b> LD50 oral rat LD50 dermal rabbit LC50 inhalation rat	>1848 mg/kg, rat >2000 mg/kg >6.04 mg/l/4h

**Skin corrosion/irritation:** Causes severe skin burns.  
**Serious eye damage/irritation:** Causes serious eye damage.  
**Respiratory or skin sensitization:** May cause an allergic skin reaction.  
**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

Carinogenicity: May cause cancer.

<b>Quartz (14808-60-7)</b> IARC group National Toxicity Program (NTP) Status	1 Carcinogenic to humans 2 Known Human Carcinogens
<b>Iron oxide (Fe<sub>2</sub>O<sub>3</sub>)(1309-37-1)</b> IARC group	3 Not classifiable

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure):** May cause respiratory irritation.

## Section 11 Toxicological Information (continued)

- Specific target organ toxicity (repeated exposure):** Causes damage to organs through prolonged or repeated exposure (respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.)
- Aspiration hazard:** Based on available data, the classification criteria are not met.
- Symptoms/injuries after inhalation:** May cause respiratory tract irritation.
- Symptoms/injuries after skin contact:** Causes severe skin burns. Symptoms may include redness, pain, blisters. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. May cause sensitization by skin contact.
- Symptoms/injuries after eye contact:** Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/injuries after ingestion:** May be harmful if swallowed. May cause stomach distress, nausea, or vomiting.

## Section 12 Ecological Information

Ecology – general: No ecological consideration when used according to directions. Do not flush to sewer or allow to enter waterways.

### Persistence and degradability

<b>Mortars Group 1</b>	
Persistence and degradability	No data available

### Bioaccumulative potential

<b>Mortars Group 1</b>	
Bioaccumulative potential	No data available

### Mobility in soil

<b>Mortars Group 1</b>	
Ecology – soil	No data available

### Other adverse effects

Effect on the global warming: No known ecological damage caused by this product.

## Section 13 Disposal Considerations

Waste disposal recommendations:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14 Transport Information

**In accordance with DOT**

Not regulated for transport

Additional information:

No supplementary information available.

## Section 15 Regulatory Information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances.

**Control Act (TSCA) Inventory except for**

**Gypsum (Ca(SO<sub>4</sub>).2H<sub>2</sub>O)**

CAS NO 13397-24-5

**US State Regulations**

**Mortars Group 1**

State or local regulations

This product contains Crystalline Silica, Quartz and may also contain trace amounts of other chemicals known to The State of Oklahoma to cause cancer, birth defects or other reproductive harm.

## Section 16 Other Information

**Date of Issue:**

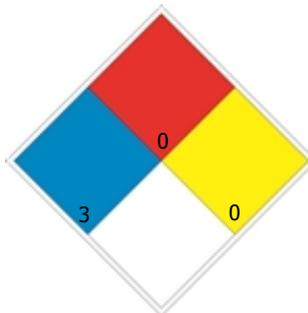
November 1, 2015.

**Revision Date:**

None.

**Version:**

1.1



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not, therefore, be construed as guaranteeing any specific property of the products. age 12 of 12