

# Mortars Group 1

## Safety Data Sheet

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

Date of issue: 03/25/2015

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Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : Granite Setting Mortar - Grey  
Mortar Mix  
PLM  
PL (PRS)  
Pro Mix PLO  
Pro Mix Stone Veneer Mortar PM  
Pro Mix Stucco  
Portland Lime Mortar Type N (PLN)  
Portland Lime Mortar Type N (PLN) w/IWR  
Portland Lime Mortar Type S (PLS)  
Portland Lime Mortar Type S (PLS) w/IWR  
Rock Mud  
Stone Veneer Mortar  
Tile Mortar  
White Mortar

Product code : Not available

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

Use of the substance/mixture : Mortar mixes for construction use.

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

Precision Packaging Inc. or Materials Packaging Corporation  
10809 Executive Center, Suite 321  
Little Rock, AR 72211 - USA  
T 501-224-3882

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### 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

#### 2.2. Label elements

##### GHS-US labelling

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.

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. Use only outdoors or in a well-ventilated area.

Storage statements (GHS-US)

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### Disposal statements (GHS-US)

#### Supplemental Information

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

Read and Follow all precautions listed in the Safety Data Sheet available on request or at [Ashgrovepkg.com](http://ashgrovepkg.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.

### 2.3. Other hazards

Other hazards not contributing to the classification : Not applicable.

### 2.4. Unknown acute toxicity (GHS US)

*Pro Mix PLO: 11 % of the mixture consists of ingredient(s) of unknown acute toxicity.*

*Pro Mix Stucco: 19 % of the mixture consists of ingredient(s) of unknown acute toxicity.*

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

*Mortar Mix: 21 % of the mixture consists of ingredient(s) of unknown acute toxicity.*

*Pro Mix Stone Veneer Mortar PM: 22 % of the mixture consists of ingredient(s) of unknown acute toxicity.*

*Granite Setting Mortar - Grey, White Mortar: 23 % of the mixture consists of ingredient(s) of unknown acute toxicity.*

*PL (PRS), Portland Lime Mortar Type N (PLN), Rock Mud: 24 % of the mixture consists of ingredient(s) of unknown acute toxicity.*

*PLM: 25 % of the mixture consists of ingredient(s) of unknown acute toxicity.*

*Portland Lime Mortar Type S (PLS), Stone Veneer Mortar: 27 % of the mixture consists of ingredient(s) of unknown acute toxicity.*

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable.

### 3.2. 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 (CaMg(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 Corr. 1C
Flue dust, portland cement	(CAS No) 68475-76-3	0.3 - 0.6 <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

### 4.1. Description of first aid measures

- First-aid measures after 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.
- First-aid measures after 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.
- First-aid measures after 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.

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First-aid measures after 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.

### 4.2. Most important symptoms and effects, both acute and delayed

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.

### 4.3. 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: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Treat for surrounding material.

Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

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

### 5.3. Advice for firefighters

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

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : 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.

### 6.2. Methods and material for containment and cleaning up

For containment : 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).

Methods for cleaning up : Vacuum or sweep material and place in a disposal container. Provide ventilation.

### 6.3. Reference to other sections

No additional information available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : 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 and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Avoid any dust buildup 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.

### 7.3. Specific end use(s)

No additional information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Quartz (14808-60-7)		
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)

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### Cement, portland, chemicals (65997-15-1)

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)

### Calcium magnesium hydroxide (CaMg(OH)<sub>4</sub>) (39445-23-3)

ACGIH	Not applicable	
OSHA	Not applicable	

### Calcium hydroxide (1305-62-0)

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)

### Iron oxide (Fe<sub>2</sub>O<sub>3</sub>) (1309-37-1)

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)

### Magnesium oxide (MgO) (1309-48-4)

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)

### Limestone (1317-65-3)

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)

### Gypsum (Ca(SO<sub>4</sub>).2H<sub>2</sub>O) (13397-24-5)

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> (total dust) ; 5 mg/m <sup>3</sup> (respirable fraction)

### Calcium oxide (1305-78-8)

ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

### Flue dust, portland cement (68475-76-3)

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, PNOR) ; 5 mg/m <sup>3</sup> (as respirable fraction, PNOR)

## 8.2. 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.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder
Colour	: Various
Odour	: No data available
Odour 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
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour 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

#### 9.2. Other information

VOC content	: No data available
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reaction known under conditions of normal use. An alkali reaction from components of portland cement will corrode aluminum.

#### 10.2. Chemical stability

Stable under normal storage conditions. Keep dry in storage.

#### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use. Do not mix with other chemicals.

#### 10.4. Conditions to avoid

Moisture – product must be kept dry until ready to use.

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

None known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified.
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LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	No data available.

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<b>Mortars Group 1</b>	
LC50 inhalation rat	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	>1848 mg/kg, rat
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	>6.04 mg/l/4h

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

<b>Quartz (14808-60-7)</b>	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	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.
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

### 12.1. Toxicity

Ecology - general	: No ecological consideration when used according to directions. . Do not flush to sewer or allow to enter waterways.
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### 12.2. Persistence and degradability

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

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### 12.3. Bioaccumulative potential

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Bioaccumulative potential	No data available.
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### 12.4. Mobility in soil

#### Mortars Group 1

Ecology - soil	No data available.
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### 12.5. Other adverse effects

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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

Other information : No supplementary information available.

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

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
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### 15.2. 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 California to cause cancer, birth defects or other reproductive harm.
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## SECTION 16: Other information

Date of issue : 03/25/2015  
Other information : None.

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