



# Semag Mortar / Semag Grout

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Semag Mortar / Semag Grout
<b>Other Means of Identification</b>	none
<b>Product Family</b>	calcium salts, inorganic mineral aggregates
<b>Recommended Use</b>	Poured into forms to form concrete walls and floors. Mortar to hold brick or tile in place.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer/Supplier Identifier</b>	The Stebbins Engineering and Manufacturing Company, 363 Eastern Boulevard, Watertown, NY, 13601, (315) 782-3000, www.stebbinseng.com
<b>Emergency Phone No.</b>	Chemtrec - Within North America, 1-800-424-9300, 24 hours Stebbins 24 Hour Contact-, 1-315-788-6624
<b>SDS No.</b>	039

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Skin corrosion - Category 1A; Serious eye damage - Category 1; Skin sensitization - Category 1; Carcinogenicity - Category 1A; Specific target organ toxicity (single exposure) - Category 3

### Label Elements



Signal Word:  
Danger

### Hazard Statement(s):

- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.
- H350 May cause cancer if inhaled.

### Precautionary Statement(s):

- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust.
- P264 Wash hands and skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P310 Immediately call a POISON CENTRE or doctor.
- P302 + P352 IF ON SKIN: Wash with plenty of water.

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P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P363 Wash contaminated clothing before reuse.  
 P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Silica, quartz	14808-60-7	varies	SiO <sub>2</sub>	
In Portland and blended cements: tricalcium silicate	12168-85-3	varies	3CaO-Al <sub>2</sub> O <sub>3</sub>	
In Portland and blended cements: calcium sulfate, anhydrous	7778-18-9	varies	CaSO <sub>4</sub> -2H <sub>2</sub> O	
In Portland and blended cements: silicic acid, calcium salt (1:2)	10034-77-2	varies	2CaO-SiO <sub>2</sub>	
In Portland and blended cements: aluminum calcium iron oxide	12068-35-8	varies	4CaO-Al <sub>2</sub> O <sub>3</sub>	
In Portland and blended cements: dialuminum calcium tetraoxide	79176-81-1	varies	3CaO-Al <sub>2</sub> O <sub>3</sub>	

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

##### Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If skin irritation or a rash occurs, get medical advice or attention. Get medical advice or attention if you feel unwell or are concerned. Clean clothing, shoes and leather goods.

##### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

##### Ingestion

Immediately call a Poison Centre or doctor. Specific treatment is required. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Rinse mouth with water. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

#### Most Important Symptoms and Effects, Acute and Delayed

If inhaled: may cause respiratory irritation. If on skin: may burn the skin. Permanent scarring may result. In rare cases, may cause an allergic skin reaction. If in eyes: may cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result. If swallowed: can burn the lips, tongue, throat and stomach.

#### Immediate Medical Attention and Special Treatment

##### Target Organs

Respiratory system, skin, eyes.

##### Medical Conditions Aggravated by Exposure

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Respiratory conditions, skin conditions, eye conditions.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

### Specific Hazards Arising from the Product

This product presents no unusual hazards in a fire situation.

### Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid breathing in this product. Do not get in eyes, on skin or on clothing. Do not swallow. Only use where there is adequate ventilation.

### Conditions for Safe Storage

Store in an area that is: dry. Protect product from contact with water, including humidity. Prevent rainwater and ground water from reaching storage area.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash in work area, if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear approved safety glasses.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Wear a NIOSH approved air-purifying respirator with N100, R100, or P100 filter(s).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

**Appearance** Grey powder.

**Odour** Odourless

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<b>Odour Threshold</b>	Not available
<b>pH</b>	Reacts with water to form an alkaline solution.
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Boiling Range</b>	Not available
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Will not burn.
<b>Upper/Lower Flammability or Explosive Limit</b>	Not applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Relative Density (water = 1)</b>	1.9 - 2.4
<b>Solubility</b>	Slightly soluble (0.1-1%) in water; Not available (in other liquids)
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Solid
<b>Bulk Density</b>	118.6 - 149.8 lb/ft <sup>3</sup> (1900.0 - 2400.0 kg/m <sup>3</sup> )

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Freezing. Prolonged exposure to air. Generation of dust. Water, moisture or humidity. Acidic conditions (low pH).

### Incompatible Materials

Releases excessive heat on contact with: strong acids (e.g. hydrochloric acid).  
Not corrosive to metals.

### Hazardous Decomposition Products

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Skin contact; eye contact. if dust is generated: inhalation.

### Acute Toxicity

#### LC50 (Inhalation)

No information was located.

#### LD50 (Oral)

No information was located.

#### LD50 (Dermal)

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No information was located.

**Skin Corrosion/Irritation**

Human experience shows moderate or severe irritation.

**Serious Eye Damage/Irritation**

Human experience shows serious eye irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure**

**Inhalation**

If dust is generated: may cause nose and throat irritation.

**Skin Absorption**

Can cause skin irritation.

**Ingestion**

No information was located.

**Aspiration Hazard**

Not known to be an aspiration hazard.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Following skin contact: symptoms may include dry, red, cracked skin (dermatitis). If dust is generated: if inhaled: may cause lung injury.

**Respiratory and/or Skin Sensitization**

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

**Carcinogenicity**

IARC: Group 1 – Carcinogenic to humans. (Silica, quartz). (Silica, tridymite). (Silica, cristobalite)

ACGIH®: A2 – Suspected human carcinogen. (Silica, tridymite). (Silica, cristobalite)

NTP: Known human carcinogen. (Silica, cristobalite). (Silica, quartz). (Silica, tridymite).

Key to Abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. IARC = International Agency for Research on Cancer. NTP = National Toxicology Program.

**Reproductive Toxicity**

**Development of Offspring**

Not known to harm the unborn child.

**Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

**Effects on or via Lactation**

Not known to cause effects on or via lactation.

**Germ Cell Mutagenicity**

Not known to be a mutagen.

**Interactive Effects**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Can cause sharp increase in pH value in aquatic environments.

**Persistence and Degradability**

Does not degrade rapidly based on quantitative tests.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

No information was located.

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## Other Adverse Effects

There is no information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

This section is not required by WHMIS 2015. This section is not required by OSHA HCS 2012.

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT		Non-Regulated		
IATA (Air)		Non-Regulated		
IMO (Marine)		Non-Regulated		
Canadian TDG		Non-Regulated		

**Special Precautions** Not applicable

### Transport in Bulk according to International Maritime Organization Instruments

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

#### CEPA - National Pollutant Release Inventory (NPRI)

Not specifically listed.

#### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

## SECTION 16. OTHER INFORMATION

**NFPA Rating** Health - 1 Flammability - 0 Instability - 1

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**Revision Indicators** Revision 4

The following SDS content was changed on May 05, 2020:  
reviewed and approved

**Key to Abbreviations** ACGIH® = American Conference of Governmental Industrial Hygienists

IARC = International Agency for Research on Cancer

NIOSH = National Institute for Occupational Safety and Health

NTP = National Toxicology Program

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

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HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA (“BIOVIA”). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

**Disclaimer**

NOTE: The information contained herein is, to the best of our knowledge, accurate and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or the results to be obtained from the use thereof.