



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

1. PRODUCT IDENTIFICATION

Trade Name(s): Mortar-standard, Mortar-Landmark, Mortar-special blend

Chemical Name: N/A

CAS No: N/A

Supplier:

EPRO Services, Inc.

PO Box 347

Derby, KS 67037

800-882-1896 (8:00am – 5:00pm CST)

2. HAZARD(S) IDENTIFICATION

GHS-US Classification

Acute toxicity: 4 (Oral)

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

Harmful if swallowed. 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.

Read label before use. Do not handle until all safety precautions have been read and understood. Keep out of reach of children. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear protective gloves and clothing as well as eye and face protection. Remove contaminated work clothing. Use only outdoors or in a well-ventilated area. Do not breathe dust.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	%	GHS-US Classification
Quartz	14808-60-7	60 - 80	Acute Tox. 4 (Oral), H302 Carc. 1A, H350 STOT RE 1, H372
Cement, Portland, chemicals	65997-15-1	10 - 25	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Calcium magnesium hydroxide (CaMg(OH) ₄)	39445-23-3	3 - 13	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Calcium hydroxide	1305-62-0	3 - 7	Skin Corr. 1B, H314 Eye Dam. 1, H318
Gypsum	13397-24-5	0.5 - 2	Not classified
Magnesium oxide	1309-48-4	0.5 - 2	Not classified
Calcium oxide	1305-78-8	≤ 1	Acute Tox 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Limestone	1317-65-3	≤ 1	Not classified

4. FIRST-AID MEASURES

After Inhalation: May cause respiratory tract irritation. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

After Skin Contact: Causes severe skin burns. 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. Immediately flush skin with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Get immediate medical advice/attention.

After Eye Contact: Causes serious eye damage. May cause burns, discomfort, or pain. Excess blinking and tear products, with marked redness and swelling of the conjunctiva. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

After Ingestion: Harmful if swallowed. May cause stomach distress, nausea, or vomiting. 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.

5. FIRE-FIGHTING MEASURES

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

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

6. ACCIDENTAL RELEASE 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.

Contain spill, then place in suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Vacuum or sweep material and place in a disposal container. Provide ventilation.

7. HANDLING AND STORAGE

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 this product, do not eat, drink, or smoke.

Laundry contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Keep out of 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.

Protective Equipment: Use of gloves and/or barrier cream is recommended for skin protection.

Respiratory Protection: Use NIOSH approved dust masks. See OSHA 29 CFR 1000.134.

Ventilation: Use local exhaust ventilation as primary dust control method.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Wear suitable gloves

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

A NIOSH approved dust mask or filtering face piece 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 ((Z899.2).

Maintain levels below Community environmental protection thresholds.

Handle according to established industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Light Gray

Density Mg/cu m: 2.9

Solubility in Water: .5%

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Percent Volatiles: None

Evaporation Rate: N/A

10. STABILITY AND REACTIVITY

No dangerous reaction known under conditions of normal use. An alkali reaction from components of Portland cement will corrode aluminum. Do not mix with other chemicals.

Stable under normal storage conditions. Keep dry in storage. Product must be kept dry until ready to use.

11. TOXICOLOGICAL INFORMATION

Quartz (14808-60-7) – LD50 oral rat: 500 mg/kg
Calcium oxide (135-78-8) – LD50 oral rat: 500 mg/kg
Magnesium oxide (1309-48-4) – LD50 oral rat: >5000 mg/kg
Limestone (1317-65-3) – LD50 oral rat: 6450 mg/kg
Mortars – Group 1
ATE (oral): 538.9 – 677.4 mg/kg 4 hr, rabbit
ATE (dermal): No data available
ATE (inhalation): No data available

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.

Carcinogenicity: May cause cancer.

Quartz (14808-60-7)

IARC Group: 1

National Toxicity Program (NTP) Status: 2

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 lungs 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 due to the presence of trace amounts of hexavalent chromium.

Symptoms/injuries after eye contact: Causes serious eye damage. May cause burns. Symptoms may include discomfort or pain. Excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion: Harmful if swallowed. May cause stomach distress, nausea, or vomiting.

Other information: Likely routes of exposure: ingestion, inhalations, skin, and eye.

12. ECOLOGICAL INFORMATION (non-mandatory)

13. DISPOSAL CONSIDERATIONS

Use vacuum to clean up spillage. Dispose of according to local state and federal regulations.

14. TRANSPORT INFORMATION

In accordance with DOT:

UN number: Not applicable.

UN Proper shipping name: Not applicable.

Additional information: No supplementary information available

15. REGULATORY INFORMATION

Quartz (14808-60-7): Listed on the US TSCA Inventory

Cement, Portland, chemicals (65997-15-1): Listed on the US TSCA Inventory

Calcium oxide (1305-78-8): Listed on the US TSCA Inventory

Limestone (1317-65-3): Listed on the US TSCA Inventory

Calcium magnesium hydroxide (CaMg(OH)₄) (39445-23-3): Listed on the US TSCA Inventory

Calcium hydroxide (135-62-0): Listed on the US TSCA Inventory

16. OTHER INFORMATION

This information provided on this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designated only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.