



GreenMax® Safety Data Sheet

(Complies with OSHA 29 CFR 1910.1200 and UN GHS Rev. 9)



SECTION I: PRODUCT IDENTIFICATION

Product Name	GreenMax®
Synonyms	Blended Rapid-Setting Cementitious Material
Recommended Use	Cement-based materials for construction/repair
Supplier	
Emergency Telephone	
Revision Date	08 May 2025 · SDS GM-1.5

See most current revisions at GreenMaxCement.com

SECTION II: HAZARD IDENTIFICATION

Hazard-determining components of labeling: Respirable crystalline silica, Portland cement, Natural Pozzolan

Carcinogen
Skin Corrosion
Skin Sensitization
Serious Eye Damage
Specific Target Organ Toxicity, Single Exposure (Resp.)
Specific Target Organ Toxicity, Repeated Exposure (Lungs)

Category 1A
Category 1B
Category 1B
Category 1
Category 3
Category 1

Signal Word: **DANGER**

GHS Pictograms:
GHS07 (Exclamation),
GHS08 (Health Hazard),
GHS05 (Corrosion)



Safety Information

Hazard Statements

- May cause cancer through chronic inhalation
- Causes severe skin burns and serious eye damage
- May cause an allergic skin reaction
- Causes damage to lungs through prolonged or repeated inhalation
- May cause respiratory irritation

Precautionary Statements

- Do not handle until all safety precautions have been read and understood.
- Wear impervious gloves (nitrile), eye protection, protective clothing and rubber boots.
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.
- Use only in a well-ventilated area. Do not breathe dust.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing; rinse skin with water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Store in a well-ventilated place. Keep container tightly closed.
- Dispose of contents/container in accordance with all regulations.

Additional Information

- Portland cement can cause serious, potentially irreversible skin and eye damage due to caustic burns. Burns may not cause immediate pain; precautions must be taken to avoid any contact. Interaction with water or sweat releases a high-pH solution that can cause third-degree burns.
- HNOC – Hazards not otherwise classified: None
- Unknown Acute Toxicity: None

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS No.	% by Weight*
Sand, Silica, Quartz	14808-60-7	40-85
Portland Cement	65997-15-1	5-25
Natural Pozzolan	65996-69-2	0-20
Calcium Hydroxide	1305-62-0	0-10
Non-hazardous ingredients & trace additives	Proprietary	0-15

**Ranges reflect batch-to-batch variability. None of the constituents are of unknown toxicity.*

Safety Information

SECTION IV – FIRST AID MEASURES

General: If medical advice is needed, have product container or label at hand.

Inhalation: Move person to fresh air. If breathing is difficult, administer oxygen; if not breathing, give artificial respiration.

Skin Contact: Remove contaminated clothing. Wash skin with cool water and pH-neutral soap. Seek medical advice if irritation or rash occurs.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing and obtain immediate medical attention.

Ingestion: Do not induce vomiting. If conscious, have victim drink plenty of water and call a physician immediately.

Most important symptoms/effects, acute and delayed: Respiratory irritation; cement burns; dermatitis; silicosis from chronic inhalation.

Indication of immediate medical attention: Immediately seek medical advice if symptoms are significant or persist.

SECTION V – FIRE FIGHTING MEASURES

Flammability of the Product: Non-flammable and non-combustible.

Suitable Extinguishing Agents: Treat for surrounding material.

Special Hazards Arising from

the Substance or Mixture: None.

Products of Combustion: None.

Explosion Hazards: Non-explosive in presence of shocks.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear personal protective equipment (Section VIII). Keep unprotected persons away.

Methods and Materials for Containment and Cleaning Up: Avoid generating dust. Vacuum or wet-sweep material; place in sealed containers for reuse or disposal. Prevent entry into sewers or waterways.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Handling: Ensure good ventilation. DO NOT BREATHE DUST. Wear appropriate PPE. Do not get in eyes, on skin or clothing. Good housekeeping prevents dust accumulation.

Storage: Keep container tightly closed and dry. Prevent exposure to humidity. Do not allow water to contact product until use.

Safety Information

SECTION VIII – EXPOSURE CONTROL MEASURES / PERSONAL PROTECTION

Hazardous Components	PEL (OSHA) mg/m ³	TLV (ACGIH) mg/m ³
Silica Sand, crystalline	0.05 (resp.)	0.025 (resp.)
Portland Cement	15 (total); 5 (resp.)	1 (resp.)
Calcium Hydroxide	5 (resp.)	5 (resp.)

Engineering Controls: Use local exhaust to keep exposures below limits.

Personal Protective Equipment (PPE)

Hands/Feet: Nitrile, butyl or PVC gloves; rubber boots when stepping in mix.

Eyes: Approved dust- or splash-proof chemical safety glasses.

Respiratory: NIOSH-approved N95/P95 dust mask or P100 filter where dust may exceed limits. Follow 29 CFR 1910.134.

Hygiene: Remove soiled clothing, wash hands before eating, drinking or smoking.

SECTION IX – PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: Granular solid, grey-beige

Odor: None to slight earthy

pH (10 % slurry): ≈ 13

Boiling Point: Not applicable

Flash Point: Not applicable

Auto-ignition: Product is not self-igniting

Vapor Pressure: Not available

Density (bulk): 1.4 – 1.6 g/cm³

Solubility in Water: Insoluble; reacts to form solid

VOC Content: 0 g/L

SECTION X – STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under normal use.

Chemical Stability: Stable under normal dry storage conditions.

Possibility of Hazardous Reactions: None expected.

Conditions to Avoid: Moisture prior to use; contact with incompatible materials.

Incompatible Materials: Strong acids; contact of silica with powerful oxidizers may cause fires.

Hazardous Decomposition Products: Silica will dissolve in hydrofluoric acid releasing silicon tetrafluoride gas

Safety Information

SECTION XI – TOXICOLOGICAL INFORMATION

Exposure Routes: Skin contact, eye contact, inhalation, ingestion.

Short-Term Effects: Causes severe skin burns and eye damage; may cause respiratory irritation; allergic skin reaction in sensitized individuals.

Long-Term Effects: Prolonged inhalation of respirable silica may cause silicosis and lung cancer. Causes damage to lungs through repeated exposure.

Carcinogenicity: Respirable crystalline silica is classified as a human carcinogen (IARC 1, NTP Known). Portland cement is not classifiable (IARC 3).

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects to aquatic environments. Do not allow large quantities to reach waterways un-neutralized.

Persistence/Degradability: Inorganic components are not biodegradable.

Bioaccumulative Potential: Negligible.

Mobility in Soil: Low; product hardens in presence of water.

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: Landfill dry or cured material; cover to minimize dust. Product is not classified as hazardous waste under RCRA or CERCLA.

Uncleaned Packaging: Dispose in accordance with local, state and federal regulations. Clean containers with water if necessary.

SECTION XIV – TRANSPORT INFORMATION

DOT (U.S.)	TDG (Canada)	UN Proper Shipping Name
Not Regulated	Not Regulated	Not Regulated

SECTION XV – REGULATORY INFORMATION

SARA 302/311/312/313: No components subject to reporting requirements.

California Proposition 65: This product can expose you to respirable crystalline silica, a substance known to the State of California to cause cancer. For more information visit www.P65Warnings.ca.gov.

WHMIS (Canada): Classified as hazardous under the Hazardous Products Act; complies with WHMIS 2015.

TSCA Inventory: All constituents are listed.



SECTION XVI – OTHER INFORMATION

Last Updated: 08 May 2025

NOTE: The information and recommendations herein are believed accurate, but no warranty, express or implied, is made. Material TEC, LLC accepts no responsibility for any damage resulting from the use of this information.

Prepared by: GreenMax® – Safety & Compliance Department