

SAFETY DATA SHEET

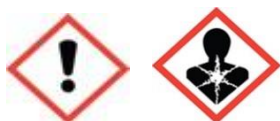
Complies with OSHA HCS 29 CFR 1910.1200, including appendix D, and UN GHS for classification and labeling.

SECTION 1: IDENTIFICATION

COMPANY: Total Wall
ADDRESS: 390 Viking Circle
Rio, WI 53960
EMERGENCY PHONE NUMBER: 888-702-9915
PRODUCT IDENTIFIER: Total Wall Premium Fibered Stucco
PRODUCT USE: Dry, fiber reinforced Portland cement
EFFECTIVE DATE: 11/2013
REVISION NUMBER: Initial issue

SECTION 2: HAZARD(S) IDENTIFICATION

Warning! Eye and skin irritant.



HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	C

Routes of exposure: Eyes, skin, ingestion, inhalation.

Skin Contact: Potential skin irritant

Skin Absorption: No known hazards.

Eyes: Damaging to the eyes.

Inhalation: May cause cancer by inhalation. Causes damage to lungs, kidneys, and autoimmune system through prolonged and repeated exposure by inhalation. Causes eye irritation.

Ingestion: Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Carcinogen Category 1A. Specific Organ Toxicity-Repeated Exposure Category 1. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Do not eat, drink, or smoke when using this product. In case of inadequate ventilation wear respiratory protection.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>percent by weight</u>
Portland cement	65997-15-1	24-25
Quartz Silica	14808-60-7	70-71
Calcium carbonates	1317-65-3	3-4
Calcium metasilicate microfibers	13983-17-0	<1

SECTION 4: FIRST AID MEASURES

Skin Contact: Wash exposed area with a soap solution or water and remove contaminated clothing. Get medical attention if irritation persists.

Eye Contact: Immediately flush eyes with water for 15 minutes. Remove contact lenses if it can be done easily. Immediately contact a physician for additional treatment.

Inhalation Exposure: Remove victim from contaminated area to fresh air. Apply appropriate first aid treatment as necessary.

Ingestion: Do not feed anything by mouth to an unconscious or convulsive victim. **Specific:** Do not induce vomiting. Immediately contact a physician. Dilute contents of stomach using 3-4 glasses of milk or water.

Most important symptoms/effects, acute and delayed: Particulates of silica may cause abrasive eye injury. Inhalation may cause respiratory tract irritation. Symptoms of exposure may include cough, sore throat, nasal congestion, sneezing, wheezing, and shortness of breath, Prolonged inhalation of respirable crystalline silica above certain concentrations may cause lung diseases, including silicosis and lung cancer. Immune system and kidney effects have also been noted.

SECTION 5: FIRE-FIGHTING MEASURES

Not Flammable

Flash point: >200 degrees F Seta

Flammable limits: N/A

Auto-ignition Temperature:None

Extinguishing media: N/A

Special Fire Fighting Procedures: None

Special Fire Fighting Equipment: None

Unusual Fire and Explosion Hazards: None

Explosion Data: Not an explosion hazard.

Thermal Decomposition yields oxides of carbon, silicon, calcium, sodium, aluminum, iron, and magnesium



SECTION 6: ACCIDENTAL RELEASE MEASURES

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Prevent further leakage or spillage if safe to do so. Wear appropriate protective clothing and respiratory protection. Avoid generating airborne dust during clean-up.

Environmental Precautions: Avoid runoff into storm sewers, ditches, and waterways. Methods for containment: Flush with water. Wet area may be slippery so absorb spills with an inert absorbent material such as soil, kitty litter, sand or oil dry. After absorbing spill with inert material, place in a chemical waste container.

Methods for cleanup: Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. Avoid dry sweeping. Do not use compressed air to clean spilled sand or ground silica. Use water spraying/flushing or ventilated or HEPA filtered vacuum cleaning system, or wet before sweeping. Dispose of in closed containers.

SECTION 7: HANDLING AND STORAGE

Storage Instructions: Keep container tightly closed when not in use. Store indoors or under cover in a dry environment in temperatures between 40 F and 115 F, and out of reach of children and pets.

Handling Instructions: Handle in accordance with good industrial hygiene, normal chemical handling and safety practices. Wash after handling.

Avoid generating dust. Do not rely on your sight to determine if dust is in the air. Respirable crystalline silica dust may be in the air without a visible dust cloud. Use adequate exhaust ventilation and dust collection to reduce respirable crystalline silica dust levels to below the permissible exposure limit “PEL”. Use all available work practices to control dust exposure. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, and equipment.

Where necessary to reduce exposures below the PEL, wear a respirator approved for silica containing dust when using, handling, storing or disposing of silica. Do not alter the respirator. Do not wear tight fitting respirator with facial hair or mustache that prevents a good face to face piece seal between the respirator and the face. Maintain and clean the fit tested respirators in accordance with applicable standards. Wash clothing that has become dusty. Never use compressed air to clean clothing.

Participate in training, exposure monitoring, and health surveillance programs to monitor any potential adverse health effects that may be caused by breathing respirable crystalline silica.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>CAS No.</u>	<u>ACGIH and OSHA</u>
Portland cement	65997-15-1	5 mg/M ³ * TLV
Quartz silica	14808-60-7	0.1 mg/M ³ * TLV
Calcium carbonates	1317-65-3	5 mg/M ³ * TLV
Calcium Metasilicates microfibers	13983-17-0	5 mg/M ³ * TLV

* Note - as respirable dust (or mist).

Use appropriate engineering controls, such as providing good general ventilation, to control airborne levels below recommended exposure limits.

Only use NIOSH approved respirators with an assigned protection factor of 10. Any vacuum device must contain a HEPA filter.

Ventilation Protection: Adequate ventilation.

Recommended Respiratory Protection: If ventilation is inadequate, use a mask with dust/mist/fume cartridges.

Recommended Skin Protection: Rubber gloves.

Other Protective Equipment: Full coveralls.

Recommended Eye Protection: Splash proof chemical goggles

Personal Hygiene: Wash thoroughly after handling product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

pH: (5% slurry) Approx. 10.0

Flash Point: >200 F Seta (cc) non-flammable

Vapor Pressure: N/A

Vapor density: N/A

Evap. Rate: < 1 (ether = 1)

Physical State: Dark gray powder

Percent volatile by volume: 0

Sp. Gr. 1.2

% Solubility (water): Reacts slowly with water to form a hard, insoluble, non-flammable solid

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended handling and storage conditions.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to Avoid: Extreme heat, freezing temperatures and incompatible materials.

Incompatible Materials: Water reactive materials.

Special Decomposition Products: Forced thermal decomposition may release irritant fumes and toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

The below data is obtained from NIOSH (National Institute for Occupational Safety and Health) listing of RTECS (Registry of Toxic Effects of Chemical Substances) and (Occupational Effects of Occupational Exposure to Respirable Crystalline Silica).

Calcium Carbonate : RTECS Number: EV9580000

Inhalation: Rat TCLo - Lowest published toxic concentration:

250 mg/m³/2H/24W (Intermittent) Lungs, Thorax, or Respiration - Fibrosis, focal

Inhalation - Rat TCLo - Lowest published toxic concentration : 84 mg/m³/4H/40W

(Intermittent) Lungs, Thorax, or Respiration - Fibrosis

(Interstitial) Liver - Other changes: Kidney/Ureter/Bladder

Quartz Silica: RTECS Number: VV7310000

NTP classifies "silica, crystalline (respirable size) as a known human carcinogen.

IARC (International Agency for Research on Cancer): concluded that "crystalline silica in the form of quartz or cristobalite dust is carcinogenic to humans (Group 1).

Numerical measures of toxicity of crystalline silica (quartz) : LD50 oral rat .22,500 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

There is no aquatic toxicity. Product is mildly alkaline, therefore higher concentrations of the product in estuaries may increase the pH of the estuary slightly.

The silica, clay and limestone (calcium carbonate) components make up a majority of the product. They are not highly mobile in the soil. These components are natural to the environment and present no foreseeable negative impact. The water-based polymer component is not toxic and is long term biodegradable. The polymer is highly mobile in the soil until it cures, and then it is not mobile in the soil. Silica is not bio-accumulative.

There is no known data on the cumulative ecological effects of the minor and trace components, which include the surfactant, antifoam and ester alcohol. However, it is believed these components are at least partially degradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Arrange for disposal in accordance with Federal, state and local guidelines. Triple-rinse container prior to offering for recycle, reconditioning or disposal.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name:	Non regulated.
DOT Hazard Class:	Non regulated.
IMDG UN Number :	Non regulated.
IATA Shipping Name:	Non-regulated.

SECTION 15: REGULATORY INFORMATION

FIFRA (40 CFR): EPA Reg. No.: None used

OSHA (29 CFR 1910) – Safety and Health Standards: See Section 2 above.

FDA (21CFR) Ingredients Authorized Under: None

TSCA status: Crystalline silica (quartz) appears on the EPA TSCA inventory under CAS No. 14808-60-7.

CERCLA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act or its regulations, 40 CFR 261.

RCRA: This product is not classified as a hazardous waste.

California Proposition 65: This product contains a material, calcium carbonate, known to the state of California to cause cancer or reproductive harm.

California Inhalation Reference Exposure Level (REL): California established a chronic non-cancer effect REL of 3 U_g for silica (crystalline, respirable). A chronic REL is an airborne level of a substance at or below which no non-cancer health effects are anticipated in individuals indefinitely exposed to substance at that level.

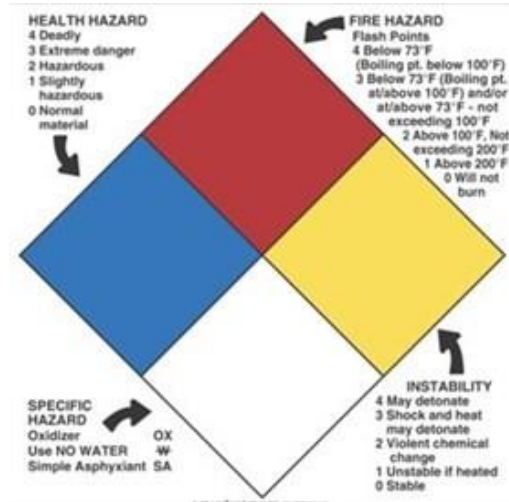
This form is essentially equal to OSHA 20 form. While the information and the recommendations set forth herein are believed to be accurate as the data hereof, Total Wall, Inc. makes no warranty with respect to this information. Recipients are advised to confirm, in advance of need, that the information is current, applicable, and suitable for their circumstances.

SECTION 16: OTHER INFORMATION

HMIS Legend

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard
- * - Chronic Hazard

X - Consult your supervisor or S.O.P. for



NFPA Legend "Special"

handling instructions.

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Disclaimer:

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