

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, Inc.
ADDRESS: 390 Viking Circle,
Rio, WI 53960
EMERGENCY PHONE NUMBER: 888-702-9915
PRODUCT IDENTIFIER: Total Guard BWB

PRODUCT USE: Polymer modified Portland Cement

EFFECTIVE DATE: 02/2012
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.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>percent by weight</u> |
|----------------------|----------------|--------------------------|
|----------------------|----------------|--------------------------|

Part A- Dry Powder

| | | |
|----------------------------------|-------------|-------|
| Portland cement | 65997-15-1 | 24-25 |
| Calcium metasilicate microfibers | 13983-17-0 | <1 |
| Quartz silica | 114808-60-7 | 70-71 |

Part B-Milky liquid

| | | |
|-----------------------------|-------------|----|
| Styrenated rubber emulsions | proprietary | <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.

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: Wear self-contained breathing apparatus (NIOSH approved) and full protective gear



TOTAL WALL

Unusual Fire and Explosion Hazards: None

Explosion Data: Not an explosion hazard.

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

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.

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- dri. 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.

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.

TOTAL WALL

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

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 |
| Calcium metasilicate microfibers | 13983-17-0 | 5 mg/M ³ * TLV |
| Quartz silica | 14808-60-7 | 0.1 mg/M ³ * TLV |
| Styrenated rubber emulsions | Proprietary | Not established |

* Note - as respirable dust (or mist).

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

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: Approx. 10

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

Vapor Pressure: 17 mm Hg

Vapor density: 1 (water=1)

Evap. Rate: <1 (ether = 1)

Physical State: Paste-like, opaque, grayish liquid when mixed

Percent volatile by volume: Approx. 10%

Sp. Gr. 1.8

% Solubility (water): Dispersible in water (partially soluble) before hardening.

VOC is <1 gm/L

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).

Calcium Carbonate : RTECS Number: EV9580000

Inhalation: Rat TC_{Lo} - Lowest published toxic concentration:

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

Inhalation - Rat TC_{Lo} - Lowest published toxic concentration : 84 mg/m³/4H/40W

(Intermittent) Lungs, Thorax, or Respiration - Fibrosis

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

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity is not known. 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.

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 (40CFR): EPA reg. No. None used

OSHA (29CFR Sec. 1910)- Safety & Health Standards: see Section 2 above

FDA (21CFR) Ingredients authorized Under: None

DOT Not regulated or hazardous for shipping

This form is intended for general compliance with New Jersey and Pennsylvania freedom of information legislation and the noted sections of the Code of Federal Regulations.

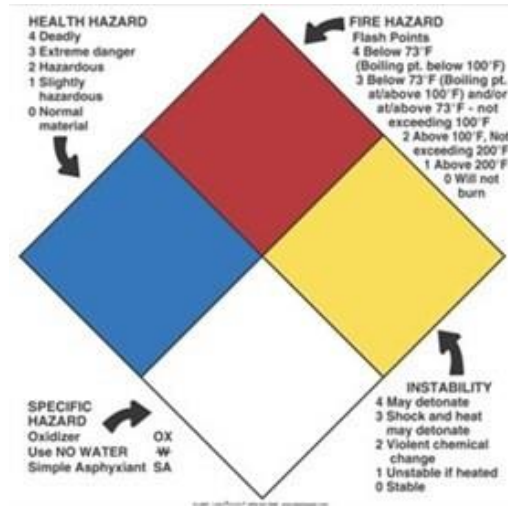
California Proposition 65: This product contains a material, calcium carbonate, known to the state of California to cause cancer or reproductive harm.

This form is essentially equal to OSHA 20 form. While the information and recommendations set forth herein are believed to be accurate as of the date 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.

Prepared By: Technical Department
Total Wall, Inc.
390 Viking Circle
Rio, WI 53960
888-702-9915

Initial Issue Date: February, 2012
Revision Date: No revisions

Revision Summary: Not available

TOTAL WALL

Disclaimer:

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Individuals and employers should use this information only as a supplement to other information gathered by themselves and must make independent determination of suitability and agreement of information from all sources to assure proper use of these materials and the safety and health of individuals. This should be done in advance of need. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state/provincial, and local laws and regulations.

End of Document