

# Powerwall Scratch & Brown FLORIDA ONLY

## Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

Date of Issue: 1/16/2021

Version: 1.1

### SECTION 1: IDENTIFICATION

#### 1.1. GHS Product Identifier

**Product Form:** Solid Gray, buff or white powder

**Product Name:** Powerwall Scratch & Brown FLORIDA ONLY

**Product Code:** 80108\_010

#### 1.2. Recommended Use Of The Chemical And Restrictions On Use

**Use Of The Substance/Mixture:** Cement is used as a binder in concrete and mortars that are widely used in construction. For professional use only.

#### 1.3. Supplier's Details

##### Company

Sto Corp.

6175 Riverside Drive SW

Atlanta, GA 30331

(800)221-2397

[www.stocorp.com](http://www.stocorp.com)

#### 1.4. Emergency Phone Number

**Emergency Number** : 800-424-9300 CHEMTREC

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### GHS UN classification

Skin Corrosion/Irritation Category 1 H314

Skin Sensitization Category 1 H317

Serious Eye Damage/Eye Irritation Category 1 H318

STOT SE Category 3 H335

Carcinogenicity Category 1A H350

STOT RE Category 1 H372

Full text of hazard classes and H-statements : see section 16

#### 2.2. GHS Label Elements, Including Precautionary Statements

##### GHS UN labeling

##### Hazard Pictograms (GHS-UN)



**Signal Word (GHS-UN):** Danger

##### Hazard Statements (GHS-UN) :

H314 – Causes severe skin burns and eye damage.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H335 – May cause respiratory irritation.

H350 – May cause cancer.

H372 – Causes damage to lung through prolonged or repeated exposure inhalation.

##### Precautionary Statements (GHS-UN)

:

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264- Wash thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

P271 – Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 – Wear protective gloves

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

## 2.3. Other hazards which do not result in classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

## 2.4. Unknown Acute Toxicity (GHS-UN)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                      | Product Identifier/CAS# | %     | GHS UN classification   |
|---------------------------|-------------------------|-------|---|
| Portland Cement           | 65997-15-1              | 30-75 | Skin Irritant 1C, H314 Eye Corr. 1, H318 Skin Sensitization 1, H317 STOT SE 3, H335 |
| Limestone                 | 1317-65-3               | 0-50  | Not Classified  |
| Calcium Hydroxide         | 1305-62-0               | 0-75  | Skin Irritant 2, H315 Eye Irritant 1, H318  |
| Magnesium Hydroxide       | 1309-42-8               | 0-38  | Skin Sensitizer 1, H317   |
| Calcium sulfate dehydrate | 133397-24-5             | 5-10  | Not Classified  |
| Quartz                    | 14808-60-7              | <10   | Carcinogenicity 1A, H350 STOT RE 1, H372  |
| Magnesium oxide           | 1309-48-4               | 0-4   | Skin Irr. 3 (H316) Eye Irr. 2 (H320) Repro 2 (H361) STOT SE 3 (H335)                |

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of Necessary First-Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the individual is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Inhalation of large amounts of Portland cement requires immediate medical attention. Call a poison center or physician.

**Skin Contact:** Wash off with plenty of water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

**Eye Contact:** In case of contact get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 30 minutes. Chemical burns must be treated promptly by a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth with water and afterwards drink plenty of water. Get immediate medical attention.

### 4.2. Most Important Symptoms/Effects, Acute and Delayed

**General:** Product becomes alkaline when exposed to moisture and may cause skin burns. May cause serious eye damage. May cause allergic skin reaction. Carcinogen; breathing crystalline silica can cause lung disease, including silicosis and lung cancer. Crystalline silica has also been associated with scleroderma and kidney disease. Inhalation of dusts may cause respiratory irritation or burns.

**Chronic Symptoms:** May cause cancer. Causes damage to organs through prolonged or repeated exposure.

### 4.3. Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable Extinguishing Media:** None

### 5.2. Specific Hazards Arising From the Chemical

**Fire Hazard:** This product is not flammable or combustible.

**Explosion Hazard:** No specific fire or explosion hazard.

**Reactivity:** None

### 5.3. Special Protective Actions for Fire-Fighters

**Precautionary Measures Fire:** Move containers from fire area if this can be done without risk. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**General Measures:** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 for additional information.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection (NIOSH/MSHA approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits)

**Emergency Procedures:** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 for additional information.

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

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment and Cleaning Up:** Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place dust in a closed, labeled waste container. Large spills to waterways may be hazardous due to alkalinity of the product. Dispose of waste material using a licensed waste disposal contractor streams.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Avoid contact with eyes, skin, or clothing. This product contains quartz, which may become airborne without a visible cloud. Avoid breathing dust. Avoid creating dusty conditions. Use only with adequate ventilation to keep exposure below recommended exposure limits. Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure by obtaining and following special instructions before use. Do not handle until all safety precautions have been read and understood. Keep in the original container or an approved alternative made from a compatible material and keep the container tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Avoid contact with water and moisture. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), Colombia, Nicaragua, Panama, or Peru.

#### Occupational Exposure Limits

##### US. ACGIH Threshold Limit Values

##### Components Type Value Form:

Calcium Hydroxide: TWA 5 mg/m<sup>3</sup>

(CAS# 1305-62-0)

Calcium sulfate dehydrate: TWA 10 mg/m<sup>3</sup> Inhalable fraction.

(CAS# 13397-24-5)

Magnesium oxide: TWA 10 mg/m<sup>3</sup> Inhalable fraction.

(CAS# 1309-48-4)

Portland cement TWA 1 mg/m<sup>3</sup> Respirable fraction.

(CAS# 65997-15-1)

Quartz: TWA 0.025 mg/m<sup>3</sup> Respirable fraction.

(CAS#14808-60-7)

2021/01/16

EN (English US)

4/12

# Powerwall S&B FLORIDA ONLY

## Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

---

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

#### Components Type Value Form

Calcium Hydroxide: PEL 5 mg/m3 Respirable fraction.

(CAS# 1305-62-0)

Calcium sulfate dehydrate: PEL 5 mg/m3 Respirable fraction 15 mg/m3 Total dust.

(CAS# 13397-24-5)

Limestone: PEL 5 mg/m3 Respirable fraction 15 mg/m3 Total dust.

(CAS# 1317-65-3)

Magnesium oxide: PEL 15 mg/m3 Total particulate.

(CAS# 1309-48-4)

Portland cement: PEL 5 mg/m3 Respirable fraction 15 mg/m3 Total dust.

(CAS# 65997-15-1)

Quartz: TWA 0.05 mg/m3 Ca.

(CAS#14808-60-7)

### US. OSHA Table Z-3 (29 CFR 1910.1000)

#### Components Type Value Form

Portland cement: TWA 50 mppcf

(CAS# 65997-15-1)

Quartz: PEL 10 mg/m3 Respirable fraction (%SiO<sub>2</sub> + 2); 30 mg/m3 Total dust (%SiO<sub>2</sub> + 2).

(CAS#14808-60-7)

### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

#### Components Type Value Form

Calcium Hydroxide: TWA 5 mg/m3

(CAS# 1305-62-0)

Calcium sulfate dehydrate: TWA 10 mg/m3

(CAS# 13397-24-5)

Limestone: TWA 10 mg/m3

(CAS# 1317-65-3)

Magnesium oxide: TWA 10 mg/m3 Fume.

(CAS# 1309-48-4)

Portland cement: TWA 10 mg/m3

(CAS# 65997-15-1)

Quartz: TWA 0.025 mg/m3 Respirable fraction.

(CAS#14808-60-7)

### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

#### Components Type Value Form

Calcium Hydroxide: TWA 5 mg/m3

(CAS# 1305-62-0)

Calcium sulfate dihydrate: STEL 20 mg/m3 Total dust, TWA 10 mg/m3 Inhalable

(CAS#13397-24-5)

Limestone: STEL 20 mg/m3 Total dust, TWA 3 mg/m3 Respirable fraction 10 mg/m3 Total dust.

(CAS# 1317-65-3)

Magnesium oxide: STEL 10 mg/m3 Respirable dust and/or fume, TWA 3 mg/m3 Respirable dust and/or fume, 10 mg/m3 Inhalable fume.

(CAS# 1309-48-4)

Portland cement: TWA 3 mg/m3 Respirable fraction, 10 mg/m3 Total dust.

(CAS# 65997-15-1)

Quartz: TWA 0.025 mg/m3 Respirable fraction.

# Powerwall S&B FLORIDA ONLY

## Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

---

(CAS#14808-60-7)

### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

#### Components Type Value Form

Calcium Hydroxide: TWA 5 mg/m<sup>3</sup>

(CAS# 1305-62-0)

Calcium sulfate dehydrate: TWA 10 mg/m<sup>3</sup> Inhalable fraction.

(CAS# 13397-24-5)

Magnesium oxide: TWA 10 mg/m<sup>3</sup> Inhalable fraction.

(CAS# 1309-48-4)

Portland cement: TWA 10 mg/m<sup>3</sup>

(CAS# 65997-15-1)

Quartz: TWA 0.1 mg/m<sup>3</sup> Respirable.

(CAS#14808-60-7)

### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

#### Components Type Value Form

Calcium Hydroxide: TWA 5 mg/m<sup>3</sup>

(CAS# 1305-62-0)

Calcium sulfate dehydrate: TWA 5 mg/m<sup>3</sup> Respirable dust, 10 mg/m<sup>3</sup> Total dust.

(CAS# 13397-24-5)

Limestone: TWA 10 mg/m<sup>3</sup> Total dust.

(CAS# 1317-65-3)

Magnesium oxide: TWA 10 mg/m<sup>3</sup> Fume.

(CAS# 1309-48-4)

Portland cement: TWA 5 mg/m<sup>3</sup> Respirable dust, 10 mg/m<sup>3</sup> Total dust.

(CAS# 65997-15-1)

Quartz: TWA 0.1 mg/m<sup>3</sup> Respirable fraction.

(CAS#14808-60-7)

### Mexico. Occupational Exposure Limit Values

#### Components Type Value Form

Calcium Hydroxide: TWA 5 mg/m<sup>3</sup>

(CAS# 1305-62-0)

Calcium sulfate dehydrate: TWA 10 mg/m<sup>3</sup>

(CAS# 13397-24-5)

Limestone: STEL 20 mg/m<sup>3</sup>, TWA 10 mg/m<sup>3</sup>

(CAS# 1317-65-3)

Magnesium oxide: TWA 10 mg/m<sup>3</sup> Fume.

(CAS# 1309-48-4)

Portland cement: STEL 20 mg/m<sup>3</sup>, TWA 10 mg/m<sup>3</sup>

(CAS# 65997-15-1)

Quartz: TWA 0.025 mg/m<sup>3</sup>

(CAS#14808-60-7)

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

## 8.2. Exposure Controls

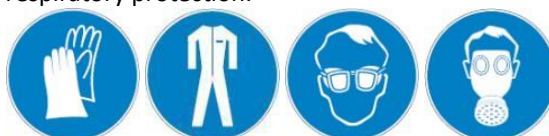
### Appropriate Engineering Controls

: Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

### Individual Protection Measures, Such as Personal Protective Equipment (PPE)

#### Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics.

#### Hand Protection

: Wear protective gloves.

#### Eye and Face Protection

: To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields when handling dust or wet cement. Contact lenses should not be worn when working with cement or cement products.

#### Skin and Body Protection

: Wear suitable protective clothing.

#### Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

#### Other Information

: When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

|  |                                    |
|--|------------------------------------|
| Physical State Appearance              | : Solid Gray, buff or white powder |
| Odor                                   | : Odorless                         |
| Odor Threshold                         | : No data available                |
| pH                                     | : 12-13 in Water                   |
| Evaporation Rate                       | : No data available                |
| Melting Point                          | : No data available                |
| Freezing Point                         | : No data available                |
| Boiling Point                          | : No data available                |
| Flash Point                            | : Not flammable. Not combustible.  |
| Auto-ignition Temperature              | : No data available                |
| Decomposition Temperature              | : No data available                |
| Flammability (solid, gas)              | : Not applicable                   |
| Vapor Pressure                         | : No data available                |
| Relative Vapor Density at 20°C         | : No data available                |
| Relative Density                       | : No data available                |
| Specific Gravity                       | : 2.65-3.15                        |
| Solubility                             | : Slight (0.1-1%)                  |
| Partition Coefficient: N-Octanol/Water | : No data available                |
| Viscosity                              | : Not available                    |

# Powerwall S&B FLORIDA ONLY

## Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

### 9.2. Other Information No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Reacts slowly with water forming hydrated compounds, releasing heat and producing a strong alkaline solution until reaction is substantially complete.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Contact with incompatible materials. When exposed to air it will absorb carbon dioxide to form calcium carbonate and magnesium oxide. When heated at temperatures above 580 deg. C, it loses water to form calcium oxide, magnesium oxide and water.
- 10.5. Incompatible Materials:** Wet material is alkaline and will react with acids, ammonium salts, aluminum and other reactive metals. Hardened material is attacked by hydrofluoric acid releasing toxic silicon tetrafluoride gas.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Formaldehyde. Hydrocarbons. Sulfur oxides. Nitrogen oxides. Hydrogen chloride.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

**Acute Effects:** Product becomes alkaline when exposed to moisture. Contact with wet concrete can burn skin and eyes. Dust from the dry material can cause irritation and possible burns to the eyes and respiratory tract. Symptoms can be delayed.

#### Acute Toxicity (Inhalation LC50)

Portland cement (CAS# 65997-15-1): >1 mg/L (rat, 4hr)  
Limestone (CAS# 1317-65-3): LC50 > 3 mg/L (rat, 4 hr) (Similar substance)  
Calcium Hydroxide (CAS# 1305-62-0): No data available  
Calcium Sulfate dehydrate (CAS# 13397-24-5): LC50 > 3.26 mg/L air (inhalation, dust, 4 h)  
Magnesium Oxide (CAS# 1309-48-4): No data available  
Quartz (CAS# 14808-60-7): No data available

#### Acute Toxicity (Oral LC50)

Portland cement (CAS# 65997-15-1): No data available  
Limestone (CAS# 1317-65-3): LD50 6450 mg/kg (rat) (similar substance)  
Calcium Hydroxide (CAS# 1305-62-0): LD50 7340 mg/kg (rat)  
Calcium Sulfate dehydrate (CAS# 13397-24-5): LD50 > 2000 mg/kg (rat)  
Magnesium Oxide (CAS# 1309-48-4): LD50 3870 mg/kg (rat)  
Quartz (CAS# 14808-60-7): LD50 500 mg/kg (rat) Acute Toxicity (Dermal LC50)  
Portland cement (CAS# 65997-15-1): No data available  
Limestone (CAS# 1317-65-3): LD50 > 2000 mg/kg (Similar substance)  
Calcium Hydroxide (CAS# 1305-62-0): LD50 > 2500 mg/kg  
Calcium Sulfate dehydrate (CAS# 13397-24-5): No data available  
Magnesium Oxide (CAS# 1309-48-4): No data available  
Quartz (CAS# 14808-60-7): No data available

**Skin Corrosion/Irritation:** May cause skin irritation. May cause serious burns in the presence of moisture.

**Serious Eye Damage/Irritation:** Causes serious eye damage. May cause burns in the presence of moisture.

**Respiratory or Skin Sensitization:** May cause respiratory tract irritation. The product may contain chromates, which may cause an allergic skin sensitization reaction.

**Germ Cell Mutagenicity:** No data available.

**Carcinogenicity:** Cement may contain trace amounts of respirable crystalline silica and hexavalent chromium which are classified by NTP and IARC as known human carcinogens.

**ACGIH Carcinogens:** Magnesium oxide (CAS# 1309-48-4): A4 Not classifiable as a human carcinogen. Portland cement (CAS# 65997-15-1): A4 Not classifiable as a human carcinogen. Quartz (CAS# 14808-60-7): A2 Suspected human carcinogen.

**IARC Monographs:** Overall Evaluation of Carcinogenicity Quartz (CAS# 14808-60-7): 1 Carcinogenic to humans.

**US NTP Report on Carcinogens:** Known carcinogen Quartz (CAS# 14808-60-7): Known To Be Human Carcinogen.

**US OSHA Specifically Regulated Substances:** Cancer hazard No data available.

**Teratogenicity:** No data available.

**Specific Target Organ Toxicity (Repeated Exposure):** Quartz (CAS #14808-60-7): Category 1, route of exposure: inhalation, target organs: respiratory tract and organs.



# Powerwall S&B FLORIDA ONLY

## Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

**Specific Target Organ Toxicity (Single Exposure):** Magnesium oxide, Portland cement; Category 3, route of exposure: inhalation and skin contact, target organs: Respiratory tract irritation, skin irritation.

**Aspiration Hazard:** No data available.

**Potential Health Effects:** Causes serious eye damage. May cause respiratory irritation. Causes severe burns. May cause an allergic skin reaction.

**Ingestion:** May cause burns to mouth, throat and stomach. May cause nausea, stomach pain and vomiting.

**Chronic effects:** Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. Danger of serious damage to health by prolonged exposure. Crystalline silica is considered a hazard by inhalation. IARC has classified crystalline silica as a Group 1 substance, carcinogenic to humans. This classification is based on the findings of laboratory animal studies (inhalation and implantation) and epidemiology studies that were considered sufficient for carcinogenicity. Excessive exposure to crystalline silica can cause silicosis, a non-cancerous lung disease. Portland cement (CAS# 65997-15-1): is not classifiable as a human carcinogen. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. If sensitized to hexavalent chromium, a severe allergic dermal reaction may occur when subsequently exposed to very low levels.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Aquatic Toxicity-

Acute Crustacea EC50 Daphnia 350 mg/l, 48 hours, estimated

Fish LC50 Fish 1058.886 mg/l, 96 hours, estimated

Data for Component: Calcium Hydroxide (CAS# #1305-62-0)

Aquatic Toxicity-Acute

Gasterosteus aculeatus 96 hr LC50 = 457 mg/L

Oncorhynchus mykiss 96 hr LC50 = 50.6 mg/L

Crangon septemspinosa 96 hr LC50 = 158 mg/L

Daphnia magna 48 hr EC50 = 49.1 mg/L

Daphnia magna 48 h EC50 > 100 mg/L

Danio rerio 96 h LC50 > 11.1 mg/L

Aquatic Toxicity Chronic

Crangon septemspinosa 14 d NOEC = 32 mg/L

Data for Component: Calcium sulfate dihydrate (CAS# 13397-24-5)

Aquatic Toxicity-Acute Fish LC50 Fathead minnow (Pimephales promelas) > 1970 mg/l, 96 hours

Data for Component: Quartz (CAS# 14808-60-7)

Aquatic Toxicity- Acute

Daphnia magna 24 hr LL50 > 10000 mg/L

Danio rerio 96 hr LLO = 10000 mg/L Daphnia magna 48 hr EC50 > 100 mg/L (similar substance)

# Powerwall S&B FLORIDA ONLY

## Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

---

Persistence and Degradation: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Other Information: No data available.

Aquatic Toxicity –Chronic- No data available.

Persistence and Degradation: No data available.

Bioaccumulative Potential: No data available

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Other Information: No data available.

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**In Accordance with UN RTDG, IMDG, and IATA**

| UN RTDG                                 | IMDG  | IATA                               |
|---|---|------------------------------------|
| <b>14.1. UN Number</b>                  |   |                                    |
| Not regulated for transport             |   |                                    |
| <b>14.2. UN Proper Shipping Name</b>    |   |                                    |
| Not applicable                          | Not applicable  | Not applicable                     |
| <b>14.3. Transport Hazard Class(es)</b> |   |                                    |
| Not applicable                          | Not applicable  | Not applicable                     |
| Not applicable                          | Not applicable  | Not applicable                     |
| <b>14.4. Packing Group</b>              |   |                                    |
| Not applicable                          | Not applicable  | Not applicable                     |
| <b>14.5. Environmental Hazards</b>      |   |                                    |
| Dangerous for the environment : No      | Dangerous for the environment : No<br>Marine pollutant : No | Dangerous for the environment : No |

**14.6. Special Precautions For User** No additional information available

**14.7. Transport in Bulk According to Annex II of MARPOL and The IBC Code** Not applicable

## SECTION 15: REGULATORY INFORMATION

**OSHA Hazard Communication Standard** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### U.S. Federal, State, and Local Regulatory Information

**U.S. Toxic Substances Control Act** All components are on the U.S. EPA TSCA Inventory List TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated

**CERCLA (Superfund) reportable quantity (lbs)** (40 CFR 302.4) This product is not listed as a CERCLA substance.

**SARA Section 313- Supplier Notification** This product does not contain any toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

**Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312.**

**Immediate Hazard (Acute)** - Yes

**Delayed Hazard (Chronic)** – Yes

**Fire Hazard** - No

**Pressure Hazard** – No

**Reactivity Hazard** - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)-No**

**Drug Enforcement Administration (DEA) (21 CFR1308.11-15)-Not controlled**

### State regulations

**WARNING: This product contains chemical(s) known to the State of California to cause cancer.**

**US - California Hazardous Substances (Director's):**

Calcium Hydroxide (CAS# 1305-62-0)

Magnesium oxide (CAS# 1309-48-4)

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):** Quartz (CAS# 14808-60-7)

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance** Quartz (CAS# 14808-60-7) Listed: October 1, 1988

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

Carcinogenic.

## US - New Jersey RTK - Substances: Listed substance

Calcium Hydroxide (CAS# 1305-62-0)  
Calcium sulfate dihydrate (CAS# 13397-24-5)  
Limestone (CAS# 1317-65-3)  
Magnesium oxide (CAS# 1309-48-4)  
Portland cement (CAS# 65997-15-1)  
Quartz (CAS# 14808-60-7)

## US - Pennsylvania RTK - Hazardous Substances: Listed substance

Calcium Hydroxide (CAS# 1305-62-0)  
Calcium sulfate dihydrate (CAS# 13397-24-5)  
Limestone (CAS# 1317-65-3)  
Magnesium oxide (CAS# 1309-48-4)  
Portland cement (CAS# 65997-15-1)  
Quartz (CAS# 14808-60-7)

## US. Massachusetts RTK - Substance List

Calcium Hydroxide (CAS# 1305-62-0)  
Calcium sulfate dihydrate (CAS# 13397-24-5)  
Limestone (CAS# 1317-65-3)  
Magnesium oxide (CAS# 1309-48-4) P  
Portland cement (CAS# 65997-15-1)  
Quartz (CAS# 14808-60-7)

## Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification**

D2A - Other Toxic Effects-VERY TOXIC

E – Corrosive



## Additional Lists

### Limestone (1317-65-3)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian NDSL (Non-Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

### Quartz (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed as carcinogen on NTP (National Toxicology Program) Listed on the Canadian IDL (Ingredient Disclosure List) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

|   |   |
|---|---|
| <b>Date of Preparation or Latest Revision</b> | : 2021/01/16  |
| <b>Data Sources</b>                           | : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS. |
| <b>Other Information</b>                      | : According To The United Nations Ghs (Rev. 6, 2015)  |

### Abbreviations

**ACGIH** — American Conference of Governmental Industrial Hygienists  
**CAS#**— Chemical Abstract Service  
**CERCLA** — Comprehensive Emergency Response and Comprehensive Liability Act  
**CFR** — Code of Federal Regulations  
**DOT** — Department of Transportation  
**GHS** — Globally Harmonized System  
**HEPA** — High Efficiency Particulate Air  
**IATA** — International Air Transport Association  
**IARC** — International Agency for Research on Cancer  
**IMDG** — International Maritime Dangerous Goods  
**NIOSH** — National Institute of Occupational Safety and Health  
**NOEC** — No Observed Effect Concentration  
**NTP** — National Toxicology Program  
**OSHA** — Occupational Safety and Health Administration  
**PEL** — Permissible Exposure Limit  
**REL** — Recommended Exposure Limit  
**RQ** — Reportable Quantity  
**SARA** — Superfund Amendments and Reauthorization Act  
**SDS** — Safety Data Sheet  
**TLV** — Threshold Limit Value  
**TPQ** — Threshold Planning Quantity  
**TSCA** — Toxic Substances Control Act  
**TWA** — Time-Weighted Average  
**UN** — United Nations

**Indication of Changes:** No additional information available

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

---

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

---

# Powerwall S&B FLORIDA ONLY

Safety Data Sheet

According To The United Nations Ghs (Rev. 6, 2015)

---