

## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

Product identifier used on the label:

**Product Name:** Sto Powerwall Scratch & Brown  
**Product Code:** 80108  
**SDS Manufacturer Number:** 80108

Other means of identification:

Recommended use of the chemical and restrictions on use:

**Product Use/Restriction:** Polymer Modified Cementitious Based Repair Mortar with Corrosion Inhibitor.

Chemical manufacturer address and telephone number:

**Manufacturer Name:** Sto Corp.  
**Address:** 6175 Riverside Drive, SW  
 Atlanta, Georgia 30331  
**General Phone Number:** (404) 346-3666

Emergency phone number:

**Emergency Phone Number:** (800) 424-9300

### SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

**GHS Pictograms:**



**Signal Word:**

DANGER!

**GHS Class:**

Eye Damage, Category 1.  
 Skin Irritant, Category 2.  
 Skin Sensitizer, Category 1.  
 Specific Target Organ Toxicity, Category 1.  
 Acute Toxicity Inhalation, Category 4.

**Hazard Statements:**

Causes serious eye damage.  
 Causes skin irritation.  
 May cause an allergic skin reaction.  
 May cause respiratory irritation.  
 Causes damage to organs through prolonged or repeated exposure.  
 Harmful if inhaled.

**Precautionary Statements:**

Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Wash hands thoroughly after handling.  
 Store locked up.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Immediately call a POISON CENTER or doctor/physician.  
 IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell.  
 Take off contaminated clothing and wash it before reuse.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Use only outdoors or in a well-ventilated area.  
 Store locked up.  
 Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Hazards not otherwise classified that have been identified during the classification process:

**Emergency Overview:**

Irritant.

**Route of Exposure:**

Eyes. Skin. Inhalation. Ingestion.

**Potential Health Effects:**

**Eye:**

May cause irritation, burns and permanent tissue damage.

**Skin:**

May cause irritation, dry skin, redness, discomfort or burns.

**Inhalation:**

Prolonged or repeated inhalation may cause lung damage.  
 Prolonged and repeated inhalation of respirable crystalline silica can cause silicosis, a chronic lung disease characterized by fibrosis and scarring of the lung tissue resulting in a decrease in lung function, breathlessness, wheezing, coughing and sputum production.

**Ingestion:**

May cause irritation. Ingesting large amounts may cause injury.

**Signs/Symptoms:**

Product is alkali when wet, excessive and prolonged exposure can cause severe irritation, burns and

permanent tissue damage.

Aggravation of Pre-Existing Conditions:

May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Portland cement	65997-15-1	85 - 90 by weight	266-043-4
Calcium Hydroxide	1305-62-0	5 - 10 by weight	215-137-3
Crystalline silica (Quartz)	14808-60-7	0.1 - 1 by weight	238-878-4
Undisclosed/Non-hazardous	No Data	1 by weight	

### SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

**Skin Contact:** Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**Ingestion:** If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

### SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical:

**Hazardous Combustion Byproducts:** Oxides of carbon, oxides of nitrogen and other organic substances may be formed.

Special protective equipment and precautions for fire-fighters:

**Protective Equipment:** As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA Ratings:**

NFPA Health: 2  
NFPA Flammability: 1  
NFPA Reactivity: 0  
NFPA Other: 0



### SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

**Personal Precautions:** Use proper personal protective equipment as listed in Section 8. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

Environmental precautions:

**Environmental Precautions:** Avoid runoff into storm sewers, ditches, and waterways.

Methods and materials for containment and cleaning up:

**Methods for containment:** Contain spills with an inert absorbent material such as soil, sand or oil dry.

**Methods for cleanup:** Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

### SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

- Handling:** Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
- Hygiene Practices:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.
- Special Handling Procedures:** Material is alkaline when mixed with water. Use precaution and proper protective equipment
- Conditions for safe storage, including any incompatibilities:
- Storage:** Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
- Specific end use(s):
- Work Practices:** Use good laboratory practice when working with chemicals. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

**Portland cement :**

- Guideline ACGIH:** TLV-TWA: 1 mg/m<sup>3</sup> (E,R)  
TLV-TWA: 1 mg/m<sup>3</sup> Respirable fraction (R)
- Guideline OSHA:** PEL-TWA: 5 mg/m<sup>3</sup> Respirable fraction (R)  
PEL-TWA: 50 mppcf Total particulate/dust (T)  
PEL-TWA: 15 mg/m<sup>3</sup> Total particulate/dust (T)

**Calcium Hydroxide :**

- Guideline ACGIH:** TLV-TWA: 5 mg/m<sup>3</sup>
- Guideline OSHA:** PEL-TWA: 5 mg/m<sup>3</sup> Respirable fraction (R)  
PEL-TWA: 15 mg/m<sup>3</sup> Total particulate/dust (T)

**Crystalline silica (Quartz) :**

- Guideline ACGIH:** TLV-TWA: 0.025 mg/m<sup>3</sup> (R)

Appropriate engineering controls:

- Engineering Controls:** Good general ventilation should be sufficient to control airborne levels. Otherwise, use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls including use of a biosafety cabinet / fume hood to control airborne levels below recommended exposure limits.

Individual protection measures:

- Eye/Face Protection:** Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
- Skin Protection Description:** Protective laboratory coat, apron, or disposable garment recommended.
- Hand Protection Description:** Use impervious gloves. Nitrile gloves are recommended.
- Respiratory Protection:** A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
- Other Protective:** Follow good industrial hygiene practices when handling this material.
- General Hygiene Considerations:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.
- PPE Pictograms:**



- Notes :** Only established PEL and TLV values for the ingredients are listed.

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

- Physical State Appearance:** Solid or powder.
- Color:** Gray
- Odor:** Little to no odor.
- Boiling Point:** > 1832 °F (>1000 °C)
- Melting Point:** No Data
- Specific Gravity:** No Data
- Solubility:** 0.1 TO 1.0% in water.
- Vapor Density:** No Data
- Vapor Pressure:** None.
- Evaporation Rate:** Not determined.
- pH:** No Data
- Flash Point:** No information.
- Flash Point Method:** Data not available.
- Lower Flammable/Explosive Limit:** Data not available.

Upper Flammable/Explosive Limit: Data not available.

Auto Ignition Temperature: Data not available.

## SECTION 10 : STABILITY and REACTIVITY

### Chemical Stability:

**Chemical Stability:** Stable under normal temperatures and pressures.

### Possibility of hazardous reactions:

**Hazardous Polymerization:** Will not occur.

### Conditions To Avoid:

**Conditions to Avoid:** Avoid high temperature condition. Avoid contact with incompatible materials.

### Incompatible Materials:

**Incompatible Materials:** Not applicable.

### Hazardous Decomposition Products:

**Special Decomposition Products:** Oxides of carbon, oxides of nitrogen and other organic substances may be formed.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION:

#### Calcium Hydroxide :

**RTECS Number:** EW2800000

**Eye:** Administration into the eye - Rabbit Standard Draize test : 10 mg [ Severe ] (RTECS)

**Ingestion:** Oral - Rat LD50 - Lethal dose, 50 percent kill : 7340 mg/kg [ Details of toxic effects not reported other than lethal dose value ]  
Oral - Mouse LD50 - Lethal dose, 50 percent kill : 7300 mg/kg [ Details of toxic effects not reported other than lethal dose value ] (RTECS)

#### Crystalline silica (Quartz) :

**RTECS Number:** VV7330000

**Inhalation:** Inhalation - Rat TCLo - Lowest published toxic concentration : 248 mg/m<sup>3</sup>/6H [ Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (intermediary) - Other proteins Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation ]  
Inhalation - Rat TCLo - Lowest published toxic concentration : 248 mg/m<sup>3</sup>/6H [ Lungs, Thorax, or Respiration - Changes in lung weight Immunological Including Allergic - Increase in cellular immune response Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation ]  
Inhalation - Rat TCLo - Lowest published toxic concentration : 200 mg/kg [ Lungs, Thorax, or Respiration - Fibrosis, focal (pneumoconiosis) Lungs, Thorax, or Respiration - Other changes Nutritional and Gross Metabolic - Changes in iron ]  
Inhalation - Mouse TCLo - Lowest published toxic concentration : 40 mg/kg [ Lungs, Thorax, or Respiration - Other changes ]  
Inhalation - Mouse TCLo - Lowest published toxic concentration : 40 mg/kg [ Immunological Including Allergic - Decrease in cellular immune response ]  
Inhalation - Rat TCLo - Lowest published toxic concentration : 1 mg/kg (RTECS)

**Ingestion:** Oral - Rat TDLo - Lowest published toxic dose : 120 gm/kg [ Gastrointestinal - Hypermotility, diarrhea Gastrointestinal - Other changes ] (RTECS)

**Chronic Effects:** Prolonged and repeated inhalation of respirable crystalline silica can cause silicosis, a chronic lung disease characterized by fibrosis and scarring of the lung tissue resulting in a decrease in lung function, breathlessness, wheezing, coughing and sputum production.

**Carcinogenicity:** IARC: Group 1: Carcinogenic to humans.

## SECTION 12 : ECOLOGICAL INFORMATION

### Ecotoxicity:

**Ecotoxicity:** No ecotoxicity data was found for the product.

**Environmental Fate:** No environmental information found for this product.

## SECTION 13 : DISPOSAL CONSIDERATIONS

### Description of waste:

**Waste Disposal:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines. Triple-rinse drum prior to offering for recycle, reconditioning or disposal. Dispose of rinsate in an environmentally acceptable manner consistent with applicable waste management.

## SECTION 14 : TRANSPORT INFORMATION

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

## SECTION 15 : REGULATORY INFORMATION

### Safety, health and environmental regulations specific for the product:

**SARA:** This product contains chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372).

**California PROP 65:** The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):  
WARNING! This product contains a chemical known to the State of California to cause cancer.

### Portland cement :

**TSCA Inventory Status:** Listed  
**Canada DSL:** Listed  
**EC Number:** 266-043-4

### Calcium Hydroxide :

**TSCA Inventory Status:** Listed  
**Canada DSL:** Listed  
**EC Number:** 215-137-3

### Crystalline silica (Quartz) :

**TSCA Inventory Status:** Listed  
**Canada DSL:** Listed  
**EC Number:** 238-878-4

## SECTION 16 : ADDITIONAL INFORMATION

### HMIS Ratings:

**HMIS Health Hazard:** 2  
**HMIS Fire Hazard:** 0  
**HMIS Reactivity:** 0  
**HMIS Personal Protection:** X

<b>Health Hazard</b>	<b>2</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Physical Hazard</b>	<b>0</b>
<b>Personal Protection</b>	<b>X</b>

**SDS Creation Date:** August 30, 2016

**SDS Revision Date:** August 30, 2016

**SDS Format:**

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