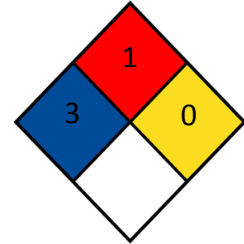


**SECTION 1 IDENTIFICATION**

Product Name: **Sto Powerwall Stucco**
Product Code: 80103
SDS Manufacturer Number: 80103
Product Use/Restriction: Cementitious Based Stucco
Manufacturer Name: Sto Corp.
Address: 6175 Riverside Drive, SW Atlanta, Georgia 30331
General Phone Number: (404) 346-3666

Emergency Phone Number: (800) 424-9300

SDS Creation Date: February 11, 2015
SDS Revision Date: February 11, 2015

NFPA**HMIS**

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	X

SECTION 2 - HAZARD(S) IDENTIFICATION**GHS Pictograms:****GHS Class:** DANGER!

Hazard Statements: Harmful if swallowed.
 Causes skin irritation.
 Causes serious eye damage.
 May cause cancer.
 Causes damage to lungs through prolonged or repeated exposure.

Precautionary Statements: Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. Good housekeeping is important to prevent accumulation of dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use only in well-ventilated areas. Handle and open container with care. When using do not eat, drink or smoke. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Emergency Overview: Flammable liquid and vapor. Causes skin irritation. Causes eye irritation. Vapor harmful. May be harmful if absorbed through skin.

Eye: Causes eye irritation**Skin:** Can cause moderate skin irritation.

Inhalation: Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.

Ingestion: Harmful if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Target Organs: Respiratory Tract, Central nervous system, Eyes, Kidneys, Liver Blood

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Chemical CAS#	% Composition	GHS-US classification
Quartz	(CAS No) 14808-60-7	60 - 100	Acute Tox. 4 (Oral), H302 Carc. 1A, H350 STOT RE 1, H372
Ashes, residues	(CAS No) 68131-74-8	10 - 30	Not classified
Iron oxide (Fe ₂ O ₃)	(CAS No) 1309-37-1	1 - 5	Not classified
Calcium magnesium hydroxide (CaMg(OH) ₄)	(CAS No) 39445-23-3	1 - 2	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Calcium magnesium hydroxide oxide (CaMg(OH) ₂ O)	(CAS No) 58398-71-3	1 - 2	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Magnesium oxide (MgO)	(CAS No) 1309-48-4	0.5 - 1.5	Not classified
Calcium hydroxide	(CAS No) 1305-62-0	0.5 - 1.5	Skin Corr. 1B, H314
Limestone	(CAS No) 1317-65-3	0.5 - 1	Not classified

* Exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of 29CFR §1910.1200.

SECTION 4 - FIRST AID MEASURES

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/ physician.

Other First Aid: No special instructions.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point (°F/°C): No data available

Auto Ignition Temperature (°F/°C): No data available

Lower Flammable/Explosive Limit:	No data available
Upper Flammable/Explosive Limit:	No data available
Fire Fighting Instructions Protective Equipment:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
Extinguishing Media:	Suitable extinguishing media: Treat for surrounding material available
Protective Equipment: and	Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) respiratory protection (SCBA).
<u>NFPA Ratings:</u>	
NFPA Health:	3
NFPA Flammability:	1
NFPA Reactivity:	0
NFPA health :	3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard :	1 - Must be preheated before ignition can occur.
NFPA reactivity :	0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General measures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
For containment:	Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up:	Vacuum or sweep material and place in a disposal container. Provide ventilation.

SECTION 7 - HANDLING and STORAGE

Handling:	Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. Good housekeeping is important to prevent accumulation of dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use only in well-ventilated areas. Handle and open container with care. When using do not eat, drink or smoke.
Storage:	Keep out of the reach of children. Store in dust-tight, dry, labelled containers. Keep container tightly closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Store locked up.
Work Practices:	Handle in accordance with good industrial hygiene and safety practices.
Hygiene Practices:	Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Eye/Face Protection:	Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).
Skin Protection Description:	Wear suitable waterproof protective clothing.
Hand Protection Description:	Wear suitable waterproof gloves.
Respiratory Protection:	A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
Other information:	Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

PPE Pictograms:



Control Parameters:

Quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	(30)/(%SiO ₂ + 2) mg/m ³ TWA, (total) (250)/(%SiO ₂ + 5) mppcf TWA, (resp) (10)/(%SiO ₂ + 2) mg/m ³ TWA, (resp)
Iron oxide (Fe₂O₃) (1309-37-1)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³

USA OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³
Magnesium oxide (MgO) (1309-48-4)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
Calcium hydroxide (1305-62-0)		
USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total); 5 mg/m ³ (resp)
Limestone (1317-65-3)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total); 5 mg/m ³ (resp)

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical state	: Solid.	Flammability (solid, gas)	: Not flammable.
Appearance	: Powder.	Vapour pressure	: No data available.
Colour	: Various.	Relative vapour density at 20 °C	: No data available.
Odour	: Characteristic.	Relative density	: No data available.
Odour threshold	: No data available.	Solubility	: No data available.
pH	: 12 - 13	Log Pow	: No data available.
Relative evaporation rate (butylacetate=1)	: No data available.	Log Kow	: No data available.
Melting point	: No data available.	Viscosity, kinematic	: No data available.
Freezing point	: No data available.	Viscosity, dynamic	: No data available.
Boiling point	: No data available.	Explosive properties	: No data available.
Flash point	: No data available.	Oxidising properties	: No data available.
Self ignition temperature	: No data available.	Explosive limits	: No data available.
Decomposition temperature	: No data available.		

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal storage conditions. Keep dry in storage.
Hazardous Polymerization:	May include, and are not limited to: oxides of carbon.
Conditions to Avoid:	Incompatible materials. Moisture.
Incompatible Materials:	Wet cement is alkaline and incompatible with acid, ammonium salts and aluminum metal.
Reactivity:	No dangerous reaction known under conditions of normal use.
Hazardous Decomposition:	Carbon Dioxide(CO ₂), Carbon Monoxide(CO), Toxic Fumes

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity: Harmful if swallowed.

Sto Powerwall Stucco	
LD50 oral rat	~560 mg/kg, rat
LD50 dermal rabbit	No data available.
LC50 inhalation rat	No data available.
Quartz (14808-60-7)	
LD50 oral rat	500 mg/kg
Ashes, residues (68131-74-8)	
LD50 oral rat	> 2000 mg/kg
Iron oxide (Fe2O3) (1309-37-1)	
LD50 oral rat	> 10000 mg/kg
Magnesium oxide (MgO) (1309-48-4)	
LD50 oral rat	>5000 mg/kg
Calcium hydroxide (1305-62-0)	
LD50 oral rat	7340 mg/kg
Limestone (1317-65-3)	
LD50 oral rat	6450 mg/kg

Skin corrosion/irritation: Causes skin irritation.
 Serious eye damage/irritation: Causes serious eye damage.
 Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
 Germ cell mutagenicity: Based on available data, the classification criteria are not met.
 Carcinogenicity: May cause cancer.

Quartz (14808-60-7)	
IARC group	1 - Carcinogenic to humans
National Toxicity Program (NTP) Status	2 - Known Human Carcinogens
Iron oxide (Fe2O3) (1309-37-1)	
IARC group	3 - Not classifiable

Reproductive toxicity: Based on available data, the classification criteria are not met.
 Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.
 Specific target organ toxicity (repeated exposure): Causes damage to lungs through prolonged or repeated exposure. (Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.)
 Aspiration hazard: Based on available data, the classification criteria are not met.
 Symptoms/injuries after inhalation: May cause respiratory tract irritation.

Symptoms/injuries after skin contact:

Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

Symptoms/injuries after eye contact:

Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion:

Harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful

Environmental Fate:

No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:

Dispose of in accordance with Local, State, Federal and Provincial regulations. Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

SECTION 14 - TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions. In accordance with DOT.

DOT Basic Description:

Paint

Hazard Class:

3

UN Number:

Not applicable

Packing Group:

Not applicable

SECTION 15 - REGULATORY INFORMATION

US Federal regulations:	All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for: Gypsum (Ca(SO ₄).2H ₂ O) CAS No 13397-24-5
US State regulations:	This product contains Crystalline Silica, Quartz and may also contain other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard:	1
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Personal Protection:	X
SDS Creation Date:	February 11, 2015
SDS Revision Date:	February 11, 2015

Disclaimer: The information and recommendations contained herein are, to the best of Sto Corp.'s knowledge and belief, accurate and reliable as of the date issued. Sto Corp. does not warrant or guarantee their accuracy or reliability, and Sto Corp. shall not be liable for any loss or damage arising out of their use thereof. The information and recommendations are offered for the users' consideration and examination, and it is the users' responsibility to satisfy itself that they are suitable and complete for its particular use.