



Conforms to OSHA HazCom 2012 Standard and WHMIS 2015 **SAFETY DATA SHEET**

Section 1: IDENTIFICATION

1. **1.1 PRODUCT IDENTIFIER**

Product Name: Sanded Grout **Product Code:** Not Available

2. **1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE** **Product Use:** Grout

3. **1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS**

Name/Address: Pacific Stone Design, inc.
1201 E. Wakham Ave.

Sant Ana, Ca. 92705 **Telephone Number:** 714-836-5757

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

Skin Corrosion

Serious Eye Damage

Skin Sensitization

Specific Target Organ Toxicity—Single Exposure Specific Target Organ Toxicity—Repeated Exposure Carcinogenicity

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

1. **2.2a SIGNAL WORD: DANGER!**

2. **2.2b HAZARD STATEMENTS**

Causes severe skin burns and eye damage Causes serious eye damage
May cause an allergic skin reaction
May cause respiratory irritation

Category 1C Category 1 Category 1B Category 3 Category 1 Category 1A

Causes damage to lungs through prolonged or repeated inhalation of dust May cause cancer through inhalation of dust

2.2c HAZARD PICTOGRAMS

2.2d PRECAUTIONARY STATEMENTS



i. PREVENTION	Wash hands thoroughly after handling. Do not breathe dust. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear impervious gloves/protective clothing/eye protection.
ii. RESPONSE	If on skin (or hair): Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If exposed or concerned: get medical advice/attention.

- iii. **STORAGE**
- iv. **DISPOSAL**

Store in a well-ventilated place. Store locked up. Keep container tightly closed.
Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

2.3 ADDITIONAL INFORMATION

1. 2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED

Not Applicable

2. 2.3b UNKNOWN ACUTE TOXICITY

<1% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Chemical Name	CAS Number	Weight %
Crystalline Silica, Quartz	14808-60-7	40 – 70%*
Portland Cement	65997-15-1	30 – 60%*
Calcium Carbonate	1317-65-3	1 – 5%*
Titanium Dioxide	13463-67-7	1 – 5%*
Carbon Black	1333-86-4	0.1 – 1.0%*

Section 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE

Eye Contact: Skin Contact: Inhalation: Ingestion:

DESCRIPTION

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.

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.

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.

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Eye Contact: Skin Contact: Inhalation:

Ingestion:

DESCRIPTION

Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Causes severe skin burns. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact.

May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.

May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians: Symptoms may not appear immediately. **Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible)

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

2. 5.2 EXTINGUISHING MEDIA

1. 5.2a. Suitable Extinguishing Media:

Treat for surrounding material.

2. 5.2b. Unsuitable Extinguishing Media:

Not Available

3. 5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a.

5.3b. i.

ii.

Products of Combustion:

May include, and are not limited to: oxides of carbon and hydrogen sulfide

Explosion Data

Sensitivity to Mechanical Impact:

Not Available

Sensitivity to Static Discharge:

Not Available

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear(full bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

1. 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

2. 6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment: Methods for Cleaning-Up:

Recover all usable material. Pick up large pieces, and then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Vacuum or sweep material and place in a disposal container. Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling:

General Hygiene Advice:

Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust. Do not take internally.

Use good industrial hygiene practices and wear recommended

personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of the reach of children. Store locked up. Keep container tightly closed. Store at room temperature and keep containers

closed when not in use. Keep dry until use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

1. 8.1 CONTROL PARAMETER Exposure Guidelines:

Occupational Exposure Limits		
Chemical Name	OSHA-PEL	ACGIH-TLV
Crystalline Silica, Quartz	0.05 mg/m ³	0.025 mg/m ³ (Resp.)
Portland Cement	5 mg/m ³ (Resp.) 15 mg/m ³ (Total)	10 mg/m ³ (Resp.)
Calcium Carbonate	5 mg/m ³ (Resp.) 15 mg/m ³ (Total)	5 mg/m ³ (Resp.)
Titanium Dioxide	5 mg/m ³ (Resp.) 15 mg/m ³ (Total)	10 mg/m ³
Carbon Black	3.5 mg/m ³	3.0 mg/m ³

1. 8.2 EXPOSURE CONTROLS

- Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTION MEASURES

8.3a. Personal Protective Equipment:

i. **Eye/Face Protection:** Wear approved eye/face protection [properly fitted dust- or splash- proof chemical safety goggles/face (face shield)]

ii. Skin Protection:

1. **Hand Protection:** Wear impervious gloves, such as nitrile.
 2. **Body Protection:** Wear suitable protective clothing.
- iii. **Respiratory Protection:** A NIOSH approved respirator or filtering face piece, such as N95, 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).
- iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

Section 9: STABILITY AND REACTIVITY

10.1. REACTIVITY

No dangerous reaction known under conditions of normal use.

9.2. CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

9.3. POSSIBILITY OF HAZARDOUS REACTION

No dangerous reaction known under conditions of normal use.

9.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

9.5. INCOMPATIBLE MATERIALS

Strong acids. Strong Oxidizers.

9.6. HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition, this product may yield oxides of carbon and hydrogen sulfide.

Section 10: TOXICOLOGICAL INFORMATION

10.1. LIKELY ROUTES OF EXPOSURE:

Skin contact, skin absorption, eye contact, inhalation, and ingestion.

10.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin Contact: Causes severe skin burns. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact.

Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease. **Ingestion:** May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

Acute Toxicity (ATE_{mix} = 7,758 mg/kg)		
Chemical Name	LC50	LD50
Crystalline Silica, Quartz	Not Available	Oral: >10,000 mg/kg, rat
Portland Cement	Not Available	Oral: >5,000 mg/kg, rat
Calcium Carbonate	Not Available	Oral: >5,000 mg/kg, rat
Titanium Dioxide	Not Available	Oral: >5,000 mg/kg, rat
Carbon Black	Not Available	Oral: >8,000 mg/kg, rat

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)
Crystalline Silica, Quartz	N-2, I-1, O-1, ACGIH-A2, CP65
Portland Cement	ACGIH-A4
Calcium Carbonate	Not Listed
Titanium Dioxide	N-2, I-2B, O-1, ACGIH-A4, CP65
Carbon Black	ACGIH-A3, CP65

11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

SHORT-TERM	
Skin Corrosion/Irritation:	Causes severe skin burns
Serious Eye Damage/Irritation:	Causes serious eye damage
Respiratory Sensitization:	Not Classified
Skin Sensitization:	May cause an allergic skin reaction
STOT-Single Exposure:	May cause respiratory irritation
Aspiration Hazard:	Not Classified
LONG-TERM	
Carcinogenicity:	May cause cancer through inhalation of dust
Germ Cell Mutagenicity:	Not Classified
Reproductive Toxicity:	Not Classified
STOT-Repeated Exposure:	Causes damage to lungs through prolonged or repeated inhalation of dust
Synergistic/Antagonistic Effects:	Not Classified

Section 11: ECOLOGICAL INFORMATION

11.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Ecotoxicity		
Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Crystalline Silica, Quartz	Not Available	Not Available
Portland Cement	Not Available	Not Available
Calcium Carbonate	Not Available	Not Available
Titanium Dioxide	Not Available	Not Available
Carbon Black	Not Available	Not Available

11.2. PERSISTENCE AND DEGRADABILITY

Not Available

11.3. BIOACCUMULATIVE POTENTIAL

Not Available

11.4. MOBILITY IN SOIL

Not Available

11.5. OTHER ADVERSE EFFECTS

Not Available

Section 12: DISPOSAL CONSIDERATIONS

12.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

12.2. OTHER DISPOSAL CONSIDERATIONS

Not Available

Section 13: TRANSPORT INFORMATION

DOT (U.S.)	TDG (CANADA)	IATA
UN NUMBER: Not Regulated	UN NUMBER: Not Regulated	UN NUMBER: Not Regulated
UN PROPER SHIPPING NAME: Not Regulated	UN PROPER SHIPPING NAME: Not Regulated	UN PROPER SHIPPING NAME: Not Regulated
TRANSPORT HAZARD CLASS (ES): Not Regulated	TRANSPORT HAZARD CLASS (ES): Not Regulated	TRANSPORT HAZARD CLASS (ES): Not Regulated
PACKING GROUP (if applicable):	PACKING GROUP (if applicable):	PACKING GROUP (if applicable):

SUMMARY: Product is NOT regulated under DOT/TDG and other transportation regulations.

13.1. ENVIRONMENTAL HAZARDS

Not Available

13.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE Not Available

13.3. SPECIAL PRECAUTIONS FOR USER

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

Section 14: REGULATORY INFORMATION

14.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

US: SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

14.2. US STATE RIGHT TO KNOW LAWS:

California Proposition 65:	 WARNING: This product can expose you to chemicals including crystalline silica which is known to the State of California to cause cancer and hexavalent chromium compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .
Other U.S. States "Right to Know" Lists:	Silica, Quartz: CAS#14808-60-7 Portland Cement: CAS#65997-15-1 Calcium Carbonate: CAS#1317-65-3 Gypsum: CAS#13397-24-5 Titanium Dioxide: CAS#13463-67-7 Carbon Black: CAS#1333-86-4

Section 16: OTHER INFORMATION

Date of Preparation: Version:
Revision Date:

National Toxicology Program

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1 – Known to be carcinogens
2 – Reasonably anticipated to be carcinogens

Section 16: OTHER INFORMATION

JULY 16, 2019
2.0
OCTOBER 1, 2021

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

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End of Safety Data Sheet