

Safety Data Sheet

Pacshore Quartz

SDS date: August 2015

1. Product and company identification

Product: Pacshore Quartz

Identity: Quartz surfaces

Uses: for surface applications such as countertops and vanities

Distributor: Pacific Shore Stones

10220 Metropolitan Drive, Suite A, Austin TX 78758

Telephone: (512) 339 8100

2. Hazards Identification

Multi colored engineered stone slabs. Not considered hazardous in slab form, but dust created when cutting or grinding the quartz slab produces crystalline silica which is harmful to health.



R 48/20: Harmful: Danger of serious damage to health by prolonged exposure through inhalation



S22: Do not breathe dust.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

3. Composition/information on ingredients

93% natural quartz stone (SiO₂) and 7% resin binder and colorant

4. First Aid Measures

Eye exposure: flush eyes with plenty of water for at least 15 minutes. Do not rub the eye during flushing. Seek immediate medical attention if irritation persists after flushing.

Skin exposure: wash skin thoroughly with soap and water. Remove exposed or contaminated clothing, taking care not to bring it into contact with eyes. If irritation persists, seek medical attention.

Inhalation: If inhalation occurs, remove the affected individual to an area with fresh air immediately. Seek medical attention if fresh air does not relieve the irritation.

Ingestion: if the material is swallowed, seek medical advice.

5. Fire-fighting measures

Quartz Surface Products can be combusted only with difficulty. Decomposition products resulting from the polymer and pigments degrading at elevated temperatures include various hydrocarbons, carbon dioxide, carbon monoxide and water. Fumes of metal oxides and mica particles could also be released.

Extinguishing Media

Water, Dry Chemical, CO₂, Foam.

Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

6. Accidental Release Measures

Cleanup and Disposal of Spill: Solid slabs can be gathered as necessary. If large amounts of dust or wastes are created by cutting process, vacuum or sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust. Wear sufficient respiratory protection and protective clothing where necessary. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or local Waste Management Authority. Dispose of waste in accordance with local, state and federal regulations.

7. Handling and Storage

Avoid breathing dust. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Wear safety footwear and hand protection. Good industrial hygiene practices should be followed when handling this material. Product is heavy and breakable; handle with care to avoid injury and prevent damage.

8. Exposure Controls/Personal Protection

Engineering Controls: Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Respiratory Protection: If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces.

Eye / Face Protection: During cutting, grinding or sanding operations safety glasses with side shields or goggles should be worn.

Skin Protection: During cutting, grinding or sanding operations use body protection appropriate for task including work gloves if handling sharp or rough edges and steel-toed shoes if lifting product.

9. Physical and Chemical Properties

Physical Appearance: Multi-colored engineered stone

Odor: Odorless

pH: NA

Specific Gravity: 2.4

Water Solubility: Insoluble

Flash Point: 1300 degrees centigrade

Melting Point: NA

Boiling Point: NA

Vapor Pressure: NA

% Volatiles: NA

Viscosity: NA

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(continued)

10. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: None

Materials / Chemicals to Be Avoided: This product is incompatible with hydrofluoric acid. Silica will dissolve in hydrofluoric acid and produce the corrosive gas silicon tetrafluoride.

Hazardous Decomposition Products: Upon decomposition, various hydrocarbons, carbon dioxide, carbon monoxide fumes, and water may be released.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Crystalline Silica

Silicosis: caused by the inhalation and retention of respirable crystalline silica dust.

Carcinogenicity: The American Conference of Governmental Industrial Hygienist (ACGIH), noted in the "TLV & BEIs" book, version of 2011, that silica, crystalline (respirable) and cristobalite is A2 (Suspected Human Carcinogen - human data are accepted as adequate in quality but are conflicting or insufficient to classify the agent as a confirmed human carcinogen). The National Toxicology Program (NTP), in its Ninth Annual Report on Carcinogens, concluded that silica, crystalline (respirable) is "known to be a carcinogen, based on sufficient evidence in experimental animals and in humans." The International Agency for Research on Cancer (IARC) concluded that "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1)." The U.S. Occupational Safety and Health Administration (OSHA) does regulate crystalline silica (quartz) as a carcinogen. The American Thoracic Society's position on the issue of silica carcinogenicity was published in Adverse Effects of Crystalline Silica Exposure, American Journal of Respiratory and Critical Care Medicine, Vol. 155, pp. 761-765 (1997). The official statement concluded that "The available data support the conclusion that silicosis produces increased risk for bronchogenic carcinoma. The cancer risk may also be increased by smoking and other carcinogens in the workplace."

Carcinogenicity Information:

The following components are listed as carcinogens.

Material:

Silica, Crystalline (Quartz) NTP IARC OSHA

12. Ecological Information

Environmental Fate: Not Determined

Environmental Toxicity: Not Determined

Certified by GreenGuard for Indoor Air Quality: Yes

Certified by GreenGuard for Children and Schools: Yes

13. Disposal Considerations

Waste Disposal Method: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose in accordance with federal, state and local requirements.

14. Transport Information

US Department of Transportation

Proper Shipping Name: Not regulated

Hazard Class: Not regulated

ID Number: Not regulated

Packing Group: Not regulated

15. Regulatory Information Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard: No

Reactive Hazard: No

Release of Pressure: No

Acute Health Hazard: No

Chronic Health Hazard: Yes

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements

U.S. State Regulations: California Prop 65 List: Crystalline silica (quartz) is classified as a substance known to the state of California to be a carcinogen.

16. Other Information

The information contained herein is based on the data available to us and is believed to be correct. However, Pacshore Quartz and Pacific Shore Stones make no warranties, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof.

In addition, the contents of this safety data sheet must not be interpreted as a recommendation to use any product in violation of the laws, safety practices or patents in force on any material or its use. It is the responsibility of the recipient of our product to check the corresponding rules and regulations. Under no circumstances does the data contained in this Safety Data Sheet constitute a guarantee of specific properties or create any contractual relationship.

We believe that the information contained herein is current as the date of the SDS sheet. Since the use of this information and these conditions of use of the product are not within the control of Pacshore Quartz, it is the user's obligation to determine the conditions of safe use of the product.