



*Gulf Stone Company*

S.A.O.G

## **MATERIAL SAFETY DATA SHEET**

Manufactured by:

Gulf Stone Company S.A.O.G  
P.O.Box 47, P.C. 327  
Sohar Industrial Estate,  
Sultanate of Oman.

Phone: +968-26751675  
Fax: +968-26750185

Web: [www.Gulfstone-oman.com](http://www.Gulfstone-oman.com)  
E-mail: [info@gulfstone-oman.com](mailto:info@gulfstone-oman.com)  
[gulfston@omantel.net.om](mailto:gulfston@omantel.net.om)

## SECTION 1 — CHEMICAL, PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Engineered quartz stone			
Product Use: General Stone Surfacing, includes, flooring, cladding, counter tops etc.			
Manufacturer's Name and address  Gulf Stone Company S.A.O.G P.O.Box 47, P.C 327. Sohar Industrial Estate. Sultanate of Oman.			
Phone +968-26751675	Fax +968-26750186	Web site <a href="http://www.Gulfstone-oman.com">www.Gulfstone-oman.com</a>	E-mail info@ Gulfstone-oman.com

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number
Crystalline Silica (quartz)	>90%	14808-60-7
Resin and traces of minerals including TiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , Co	Balance	N/A

## SECTION 3 — HAZARDS IDENTIFICATION

<b>Appearance/Odor</b>	Multi-colored engineered stone with no odor.
<b>Potential Health Effects</b>	<b>Acute Eye:</b> Product in finished form does not present any health hazard via this route of entry. Dust and flying particles generated during cutting, grinding and forming may cause irritation and injury.
	<b>Acute Skin:</b> Dust generated from this product may cause skin irritation.
	<b>Acute Inhalation:</b> Dust from product may cause irritation to respiratory tract, nose, throat and lungs.
	<b>Acute ingestion:</b> Not considered a potential health hazard via this route of entry. This product may cause gastrointestinal irritation if dust is swallowed.
	<b>Chronic Exposure:</b> The adverse health effects from crystalline silica exposure - silicosis, cancer, scleroderma, tuberculosis, - are chronic effects.

## SECTION 4 — FIRST AID MEASURES

<b>Eye Exposure</b>	Immediately flush eyes with copious amounts of water for a minimum of 15 minutes. Seek immediate medical attention if adverse effect occurs.
<b>Skin Exposure</b>	Wash skin with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek medical attention if adverse effect occurs.
<b>Inhalation</b>	Shift the affected person to fresh air space. If necessary, use artificial breathing.
<b>Ingestion</b>	If the material is swallowed, seek medical advice.

## SECTION 5 — FIRE FIGHTING MEASURES

<b>Auto ignition</b>	At temperatures >490°C, this product will auto ignite.
<b>Flash Point</b>	490°C
<b>Extinguishing Media</b>	Use appropriate extinguishing media.
<b>Fighting Procedures</b>	Firefighters should wear full fire-fighting turn-out gear including approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
<b>Explosion Hazards</b>	When heated to decomposition, product may release various hydrocarbons, carbon dioxide, carbon monoxide, water and fumes of metal oxides and mica particles.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

<b>Clean-up and Disposal</b>	<p>Solid slabs can simply be gathered as necessary. If large amounts of dust or wastes are created by cutting process, vacuum or sweep up spilled 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.</p>
------------------------------	---

## SECTION 7 — HANDLING AND STORAGE

<b>Handling/Storage</b>	<p>Avoid breathing dust. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. 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.</p>
-------------------------	---

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

<b>Engineering Controls:</b>	Ventilation must be adequate to maintain the ambient workplace atmosphere.
<b>Respiratory Protection</b>	If respiratory protection is needed, use only protection authorized by the local authority and applicable standards.
<b>Eye / Face Protection</b>	During cutting, grinding or sanding operations, safety glasses with side shields or goggles should be worn.
<b>Skin Protection</b>	During cutting, grinding or sanding operations, use body protection appropriate for the task, including work gloves if handling sharp or rough edges, and steel-toed shoes if lifting product.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Appearance</b>	Multi-colored engineered stone
<b>Odor</b>	None
<b>pH</b>	NA
<b>Specific Gravity/Density</b>	2.4
<b>Water Solubility</b>	Insoluble
<b>Flash Point</b>	490°C
<b>Auto ignition Temp</b>	>490°C

SECTION 10 — STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable
<b>Conditions to Avoid</b>	None
<b>Materials / Chemicals to Be Avoided:</b>	This product is incompatible with hydrofluoric acid. Silica will dissolve in hydrofluoric acid and produce the corrosive gas. Avoid prolonged exposure to Alkali and acid.
<b>Hazardous Decomposition Products</b>	When heated to decomposition, may release various hydrocarbons, carbon dioxide, carbon monoxide, water, fumes of metal oxides and mica particles.
<b>Hazardous Polymerization</b>	Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

<b>Silicosis</b>	The major concern is <i>silicosis</i> , caused by the inhalation and retention of crystalline silica dust.
<b>Carcinogenicity</b>	Crystalline silica inhaled in the form of quartz from occupational sources is <i>carcinogenic to humans</i> .

SECTION 12 — ECOLOGICAL INFORMATION

<b>Environmental Fate</b>	Not Determined
<b>Environmental Toxicity</b>	Not Determined

SECTION 13 — DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method:</b>	Whatever cannot be saved for recovery or recycling should be managed at an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dispose in accordance with state and local requirements.
-------------------------------	---

SECTION 14 — TRANSPORT INFORMATION

<b>Transportation regulation</b>	Not regulated.
----------------------------------	----------------

**The information contained herein is based on the data available to us and is believed to be Correct. However Gulf Stone makes no warranties on the accuracy of these data or the results to be obtained from the use thereof.**