



# QUARTZ Safety Data Document

This document serves as a reference for Stone Basyx fabricators. Adherence to these safety guidelines is essential to ensure the safe handling of our products.

## 1. PRODUCT NAME: ENGINEERED QUARTZ STONE

Product Name: Engineered Quartz Stone  
Synonyms: Quartz stone, man made stone.

Recommended Use: General Stone Surfacing, includes, flooring, cladding, Kitchen tops, counter tops etc.

Distributor Name: Stone Basyx  
Address: 151 Peddycord Park Dr, Kernersville, NC 27284  
Telephone: (336) 448-1678

Emergency Assistance: Call 911 for emergencies..

## 2. HAZARDS IDENTIFICATION

Multi-colored engineered stone with no odor.

Potential health effects:

- **Acute Eye:** Product in finished form does not present a health hazard via this route of entry. Dusts and flying particles generated during cutting, grinding and forming may cause irritation and injury.
- **Acute Skin:** Dusts generated from this product may cause skin irritation.
- **Acute Inhalation:** Dusts from product may cause irritation to respiratory tract, nose, throat and lungs.
- **Acute ingestion:** Not considered a potential health hazard via this route of entry. This product may cause gastrointestinal irritation if dusts are swallowed.
- **Chronic Exposure:** The adverse health effects from crystalline silica exposure - silicosis, cancer, scleroderma, tuberculosis, - are chronic effects.



# QUARTZ

## Safety Data Document

### 3. FIRST AID MEASURES

- **Eye exposure:** Immediately flush eyes with copious amounts of water for a minimum of 15 minutes. Seek immediate medical attention if adverse effect occurs.
- **Skin exposure:** Wash skin with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek medical attention if adverse effect occurs.
- **Inhalation:** Remove person to fresh air. If necessary, use artificial respiration.
- **Ingestion:** If the material is swallowed, seek medical attention or advice.

### 4. COMPOSITION INFORMATION

- Crystalline Silica (quartz) >90% CAS Number 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

### PHYSICAL AND CHEMICAL PROPERTIES

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



## 5. FIRE FIGHTING MEASURES

**Auto ignition:** At temperatures >490°C, this product will auto ignite.

**Flash Point:** 490°C

**Extinguishing Media:** Use appropriate extinguishing media for surrounding fire.

**Fighting Procedures:** 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.

**Explosion Hazards:** When heated to decomposition, may release various hydrocarbons, carbon dioxide, carbon monoxide and water. Fumes of metal oxides and mica particles.

## 6. ACCIDENTAL RELEASE MEASURES

**Cleanup and disposal:** Solid slabs can simply 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

## 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. 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 CONTROL / PERSONAL PROTECTION

**Engineering Controls:** Ventilation atmosphere must be adequate to maintain the ambient workplace atmosphere.

**Respiratory Protection:** If respiratory protection is needed, use only protection authorized by the local authority and applicable standards.

**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. 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.

### **Hazardous Decomposition Products:**

When heated to decomposition, may release various hydrocarbons, carbon dioxide, carbon monoxide and water. Fumes of metal oxides and mica particles.

**Hazardous Polymerization:** Will not occur

## 10. TOXICOLOGICAL INFORMATION

### **Silicosis:**

The major concern is silicosis, caused by the inhalation and retention of respirable crystalline silica dust. Symptoms include

### **Carcinogenicity:**

Crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans.

## 11. ECOLOGICAL INFORMATION

**Environmental Fate:** Not Determined  
**Environmental Toxicity:** Not Determined

## 12. 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. Follow. Dispose in accordance with state and local requirements.

### PREPARATION DATE:

July, 2024

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