

— SAFETY DATA SHEET

Viana Sintered Stone Slabs.

This Safety Data Sheet provides comprehensive safety and handling guidelines for **Viana Sintered Stone** surfaces, ensuring a safe and sustainable experience for architects, fabricators, installers, and end users.

SECTION 1 — PRODUCT DESCRIPTION & COMPANY IDENTIFICATION

Product Description

Product Identity: Viana Sintered Stone Surfaces (a brand of Phoenix Quartz Manufacturing)

Use(s): Viana Sintered Stone surfaces are designed for both indoor and outdoor architectural applications, including kitchen countertops, outdoor kitchens, bathroom vanities, shower walls, fireplace surrounds, exterior cladding, ventilated façades, pool surrounds, and commercial casework.

Company Identification

Manufacturer / Supplier:	Phoenix Quartz Manufacturing (Viana Surfaces brand)
Corporate Office:	10150 Highland Manor Dr, Tampa, Florida 33610
Factory Locations:	Vietnam, India
Emergency Contact:	+1 (352) 303-9975
Email:	info@vianasurfaces.com
Website:	vianasurfaces.com

SECTION 2 — HAZARDS IDENTIFICATION

Emergency Overview

Color:	Available in various colors and veined patterns
Appearance:	Solid sheets, fully vitrified
Odor:	Odorless

Under normal conditions of use, this product is not expected to pose any unusual industrial hazards. Hazards described below relate exclusively to dust generated during fabrication (cutting, grinding, polishing).

Potential Health Effects & Protection Measures

Exposure Type	Potential Effects	Protective Measures
Inhalation	Dust generated from cutting, polishing, or grinding may cause irritation to the respiratory tract.	Wear anti-dust masks.
Eye Contact	Dust may cause mild irritation.	Use protective eyewear. Avoid contact lenses.
Skin Contact	Prolonged exposure to dust may cause minor irritation or abrasions.	Wear protective clothing and gloves.
Ingestion	Not hazardous under normal use but may cause irritation if ingested.	No special measures required.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Composition
Crystalline Silica (Quartz)	14808-60-7	40 – 60%
Feldspar	68476-25-5	20 – 35%
Mineral Oxides & Pigments	Various	10 – 25%
Kaolin Clay	1332-58-7	5 – 15%

Physical Description: Fully vitrified sintered ceramic slab. **Contains zero resins, zero plastics, zero polymer binders, zero VOCs.**

SECTION 4 — FIRST AID MEASURES

- **Inhalation:** Move to fresh air. If symptoms persist, seek medical attention.
- **Eye Contact:** Flush eyes with water for at least 15 minutes. Seek medical help if irritation persists.
- **Skin Contact:** Wash with soap and water. Seek medical attention if irritation occurs.
- **Ingestion:** Seek medical advice if discomfort occurs.

SECTION 5 — FIRE FIGHTING MEASURES

- **Extinguishing Media:** Use appropriate media for surrounding fire.
- **Special Fire Fighting Procedures:** Firefighters should wear self-contained breathing apparatus and protective gear.
- **Fire Classification:** Product is rated **A1 (non-combustible)** per EN 13501-1. The product itself will not burn.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

- Collect and dispose of material according to local regulations.
- Suppress dust with water or vacuum during fabrication.
- Wear appropriate personal protective equipment.

SECTION 7 — HANDLING & STORAGE

- **Handling:** Use proper equipment when lifting slabs. Always wear safety shoes and helmets. Sintered stone slabs are heavier than typical quartz — verify lifting equipment capacity.
- **Storage:** Store in a cool, dry, covered area. Stack slabs vertically on A-frames to prevent scratching. Outdoor storage is acceptable given UV stability.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use water suppression and ventilation systems to control dust.

Personal Protective Equipment (PPE):

- **Eyes:** Protective goggles
- **Skin:** Protective clothing and gloves
- **Feet:** Safety shoes
- **Respirators:** OSHA / CSA-compliant respiratory protection if required

Due to Mohs 7–8 hardness, sintered stone fabrication generates significant dust. Respiratory protection and wet-cutting are mandatory during all cutting operations.

SECTION 9 — PHYSICAL & CHEMICAL PROPERTIES

Appearance	Solid sheet, fully vitrified
Color	Various — including veined patterns
Odor	Odorless
Specific Gravity	2.3 – 2.5 g/cc
Water Absorption	< 0.1 %
Water Solubility	Insoluble

pH	N/A
Boiling Point	N/A
Melting Point	> 1,400°C
Mohs Hardness	7 – 8

SECTION 10 — STABILITY & REACTIVITY

- **Stability:** Stable under normal conditions. Fully vitrified at manufacturing temperature (1,250°C).
- **Incompatible Materials:** Concentrated hydrofluoric acid is the only chemical that affects sintered stone.
- **Decomposition Products:** May release silica dust when fabricated. No VOCs or organic decomposition products (no resins present).

SECTION 11 — TOXICOLOGICAL INFORMATION

Chronic Effects of Crystalline Silica Exposure

- **Silicosis:** Long-term exposure to silica dust can cause lung disease.
- **Carcinogenic Potential:** Respirable crystalline silica classified as a known human carcinogen by IARC, NTP, and OSHA.
- **Other Risks:** Exposure may increase risks of tuberculosis, scleroderma, and kidney disease.

Note: Hazards described apply exclusively to dust generated during fabrication. The intact slab is inert and poses no toxicological hazard to end users.

SECTION 12 — ECOLOGICAL INFORMATION

Environmental Toxicity: No known risks. Product contains zero VOCs.

Certifications:

- **ISO 9001** — Certified for quality management
- **NSF / ANSI 51** — Certified for food contact
- **Greenguard** — Low chemical emissions certification
- **LEED Compatible** — Contributes to multiple LEED credits
- **US Green Building Council** — Member

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Product is 100% mineral and fully recyclable as aggregate for construction fill or new stone products.

SECTION 14 — TRANSPORTATION INFORMATION

Not regulated for transport.

SECTION 15 — REGULATORY INFORMATION

SARA Title III Hazard Classes:

- Fire Hazard: **No** (A1 non-combustible)
- Reactive Hazard: **No**
- Acute Health Hazard: **No**
- Chronic Health Hazard: **Yes** (fabrication dust only)

California Prop 65: Contains crystalline silica, a known carcinogen (when inhaled as dust during fabrication).

SECTION 16 — OTHER INFORMATION

NFPA & HMIS Ratings:

Health Hazard:	1 (dust only)
Flammability:	0 (non-combustible)
Reactivity:	0

Key Legend:

- **N/A** = Not Applicable
- **ND** = Not Determined
- **PEL** = Permissible Exposure Limit
- **TWA** = Time Weighted Average
- **A1** = Non-combustible fire classification (EN 13501-1)

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