



SAFETY DATA SHEET

SANDSTONE

HAZARDS IDENTIFICATION

Natural Stone products are mixtures of Quartz, Feldspar, and other natural occurring minerals that have been mined. The finished Natural Stone products are odorless, stable, non-flammable, and pose no immediate hazard to health. Respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting product during installation or if dust is produced by any other operations, including demolition/removal projects.

Emergency Overview: Danger! Lung injury and Cancer Hazard

GHS Classification (Global Harmonized Standard Classification): Carcinogenicity Category 1A (H350)

Specific target organ toxicity, single exposure; Respiratory tract irritation - Category 3 (H335)

Specific target organ toxicity, repeated exposure - Category 1A (H372)

GHS Label, Hazards and Precautionary Statements

GHS Pictogram:

Crystalline Silica:



Category 3 (Respiratory tract irritation) (H335)



Categories 1A(Carcinogenicity)(H372)

Hazard Statements:

(H350) May cause CANCER (inhalation)

(H335) May cause respiratory irritation

(H372) Causes damage to organs (lung/respiratory) through prolonged or repeated exposure (inhalation)

HAZARDS IDENTIFICATION (CONT)

Precautionary Statements:

Do not handle until all safety precautions have been read and understood. (P202)

Do not breathe dust/spray. (P260 + P261)

Wash skin thoroughly after handling. (P264)

Do not eat, drink or smoke when using this product. (P270)

Wear protective gloves, protective clothing, eye protection, face protection. (P280)

Potential Health Effects:

Inhalation: Do not breathe dust. See "Health Hazards" in Section 11 for more details.

COMPOSITION/INFORMATION ON INGREDIENTS

Natural Stone products are composed of Quartz, Feldspar and other naturally-occurring minerals that have been mined. Natural Stone Products are mined and fabricated into various shapes, sizes, and colors. These products do not contain asbestos. Under normal conditions these products do not release hazardous materials after installation and are not considered hazardous waste should disposal be necessary.

Compostion	CAS# / EINECS#	Estimated % by Wt	EU Class
Limestone	CAS: 1317-65-3 EINECS: 207-439-9	0-100	(67/548/EEC) Xi R36/37/38
Crystalline silica as quartz	CAS: 14808-60-7 EINECS: 238-878-4	0-72	(67/548/EEC) Xn R48/20
Feldspar	CAS: 68476-25-5 EINECS: 270-666-7	0-15	(67/548/EEC) Non Haz. (by Directive)
Biotite	CAS: 12001-26-2 EINECS: 215-479-3	0-5	(67/548/EEC) Xi R36/37/38
Iron	CAS: 1345-25-1 EINECS: 215-721-8	0-2	(67/548/EEC) Xi R36/37/38

FIRST AID MEASURES

Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes if dust gets in eyes. Get medical attention if irritation persists. Wash thoroughly after working with Natural Stone products. Wash thoroughly after working with Natural Stone products.

Skin Irritation: Remove to fresh air if exposed to large amounts of dust. Administer artificial respiration if breathing has stopped. Keep the victim at rest. Call for prompt medical attention.

Ingestion: Not applicable for intact natural stone products.

Have emergency eyewash stations available in areas where products are cut.

FIRE-FIGHTING MEASURES AND INFORMATION

Flash Point (Method Used): Not applicable

Autoignition Temperature: Not applicable

Flammable Limits (% by Volume in Air): LEL - not applicable UEL - not applicable

Fire Extinguishing Media:	None required Non-flammable
Special Fire Fighting Procedures:	None required
Fire and Explosion Hazards:	None

ACCIDENTAL RELEASE MEASURES

Avoid creating excessive dust. Clean up dust with a vacuum system with a High-efficiency particulate (HEPA) air filter vacuum or damp sweeping. See Section 8 of this SDS concerning PPE information for clean-up.

HANDLING AND STORAGE

When cutting, grinding or removing, use equipment with integral dust collection and/or use local exhaust ventilation. Use wet cutting methods to reduce generation of dust. Use respiratory protection in the absence of effective engineering controls. Do not store near acids. If natural stone products contact some acids, damage/discoloration to the surface may occur.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Table

Composition	OSHA PEL	NIOSH IDLH	ACGIH TLV	Units
-Crystalline silica as quartz -respirable fraction	10 %SiO ₂ +2	0.05	0.023	mg/m ³
Total dust:	30 %SiO ₂ +2	N.E.	N.E.	mg/m ³
-Limestone -respirable fraction	5	5	5	mg/m ³
Total dust:	15	10	10	mg/m ³
-Biotite -respirable fraction	N.E.	N.E.	N.E.	mg/m ³
Total dust:	15	N.E.	N.E.	mg/m ³
-Iron Oxide -Respirable fraction	10	5	5	mg/m ³

EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Use adequate ventilation to keep exposure to dust below recommended exposure levels. Avoid inhalation of dust. The highest probability of silica exposure occurs during installation using dry cutting methods or during removal of installed natural stone tile. Wet cutting methods are recommended.

Respiratory Protection: Use of a properly fitted NIOSH/MSHA approved particulate respirator is recommended when cutting natural stone products for installation or during the removal of installed product.

Eye Protection: Use dust-proof goggles or safety glasses with side shields. Contact lenses may absorb irritants. Do not wear contact lenses in work areas.

Skin Protection: Cotton or leather work gloves should be worn when cutting this product to minimize skin exposure to dust and/or cuts. Wash hands prior to eating, drinking, or smoking, and at the end of the work shift, after cutting operations are conducted.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brittle solid; color may vary

Odor: Odorless

Melting Point: Not Available (>1000 0F)

Boiling Point: Not applicable

Vapor Pressure: Not applicable

Vapor Density (Air = 1): Not applicable

Solubility in Water: Insoluble

Specific Gravity (H2) = 1): 1.6 to 2.6

Percent Volatile by Volume: Not applicable

Evaporation Rate (Ethyl Ether = 1): Not applicable

Viscosity: Not applicable

TOXICOLOGICAL INFORMATION (CONT.)

Oral (silica) Lethality

LD50 Rat oral >22,500 mg/kg

LD50 Mouse oral >15,000 mg/kg

LC50 Carp >10,000 mg/l (per 72 hr.)

DISPOSAL CONSIDERATIONS

Waste should be disposed of in a landfill certified to accept such materials in accordance with federal, state, and local regulations.

REGULATORY INFORMATION

(TSCA) Inventory of Chemicals in Commerce. Hence, it is subject to all applicable provisions and restrictions under TSCA 40 CFR Section 721 and 723.250.

This natural stone tile contains <1 percent by weight each of the following elements, which are SARA 313 Recordable: Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Chromium, Copper, Manganese, Mercury, Nickel, Lead, Silver, Thallium, Tin, Titanium, Vanadium, and Zinc.

This product or its components meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

Title 22 Division 2, California Code of Regulation Chapter 3 (Proposition 65): This product contains a chemical or chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

<input type="checkbox"/> Combustible Liquid	<input type="checkbox"/> Flammable Aerosol	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> Compressed Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Flammable Gas	<input checked="" type="checkbox"/> Health Hazard (Sections 3 & 11)	<input type="checkbox"/> Unstable
<input type="checkbox"/> Flammable Liquid	<input type="checkbox"/> Organic Peroxide	<input type="checkbox"/> Water Reactive
<input type="checkbox"/> Flammable Solid		

ADDITIONAL INFORMATION

Global Harmonization Identification System

GHIS: Health: 3 Fire: 4 Reactivity: 4

Hazardous Material Identification System

HMIS: Health: 0 Fire: 0 Reactivity: 0

National Fire Protection Association

NFPA: Health: 0 Fire: 0 Reactivity: 0

OTHER INFORMATION:

The information in this SDS, including but not limited to product composition, recommended industrial hygiene, and safe handling procedures, was obtained from sources believed to be reliable and is offered in good faith as generally applicable; however, exact compositions may vary. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. No warranty, either express or implied, is hereby made. Once this product leaves this facility, the conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product. The recipient of this material should be aware of the possible existence of additional local regulations which may be applicable to this material.