ONYX

1. IDENTIFICATION

Product: NSR Onyx tiles and slabs.
Synonyms: Calcareous (calcite) onyx.
Recommended use: Countertops, flooring and wall applications.
Restrictions: Avoid uncontrolled dust generation.

Supplier: Natural Stone Resources (NSR).
Address: 1800 E. Via Burton, Anaheim, CA 92806.
Product information: (714) 821-5400. Email info@nsrstone.com.
Emergency: Call 911.

2. HAZARD IDENTIFICATION

Classification of processing dust
Carcinogenicity, Category 1A.
Specific target organ toxicity following repeated exposure, Category 1.
Specific target organ toxicity following a single exposure, Category 3 (respiratory irritation).



Signal word: DANGER.
Pictograms: Health hazard and exclamation mark.

H350: May cause cancer by inhalation.
H372: Causes damage to the lungs through prolonged or repeated inhalation.
H335: May cause respiratory irritation.

Precautions: Read the safety instructions before use. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke during use. Use adequate ventilation. Wear protective gloves, eye protection, face protection and required respiratory protection. Get medical advice if exposed or concerned. Store securely. Dispose of waste lawfully.

Other hazards: Cutting, grinding and demolition generate hazardous dust. Broken edges may cut the skin. Heavy stone may cause crushing injuries.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Constituent	CAS number	Weight (%)
Aluminum oxide	1344-28-1	<1
Calcium carbonate (limestone)	471-34-1	0 to 100
Calcium oxide	1305-78-8	0 to 43
Crystalline silica	14808-60-7	0 to 10
Ferric oxide	1309-37-1	<1
Magnesium oxide	1309-48-4	0 to 8
Potassium oxide	12136-45-7	<1
Sodium oxide	1313-59-3	<1

Calcareous onyx is a carbonate stone. The reference composition varies by source and variety.

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4. FIRST AID MEASURES

Eyes: Rinse with water for at least 15 minutes. Remove contact lenses if this is easy to do. Seek medical attention if irritation persists.
Skin: Wash with soap and water. Seek medical attention for persistent irritation.
Inhalation: Move to fresh air. Get prompt medical attention for breathing difficulty. If breathing stops, call 911 and provide resuscitation if trained.
Ingestion: Rinse the mouth. Obtain medical advice. Do not induce vomiting.

Symptoms and delayed effects: Dust may irritate the eyes and airways. Silica exposure can cause silicosis and lung cancer. Get medical advice if exposed or concerned. Provide this SDS.

5. FIREFIGHTING MEASURES

Stone is noncombustible. Use extinguishing media and firefighter protection appropriate for the surrounding fire. No unusual fire hazards are identified for intact stone.

6. ACCIDENTAL RELEASE MEASURES

Avoid breathing or dispersing dust. Wear the protection described in Section 8. Collect material using wet methods or a HEPA vacuum. Place it in a closed container. Do not dry sweep or use compressed air. Keep dust and slurry out of drains.

7. HANDLING AND STORAGE

Use wet processing and effective dust extraction. Do not dry cut. Wash hands before eating. Wash dusty clothing before reuse. Store stone securely and away from acids.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits: Values are in mg/m³ unless otherwise stated. T means total dust. R means the respirable fraction. I means the inhalable fraction. C means ceiling. NE means not established in the reference.

Constituent	OSHA PEL	ACGIH TLV	NIOSH REL
Crystalline silica (quartz)	0.05 R	0.025 R	0.05 R
Aluminum oxide	15 T and 5 R	1 R	NE
Calcium carbonate	15 T and 5 R	10	NE
Calcium oxide	5	2	NE
Ferric oxide	10	5	NE
Magnesium oxide	10	10	NE
Potassium oxide	NE	NE	NE
Sodium oxide	NE	2 as NaOH	NE

The averaging period is eight hours unless stated otherwise. NIOSH RELs apply for up to 10 hours. The OSHA and California OSHA silica PEL is 0.05 mg/m³. The action level is 0.025 mg/m³. The abbreviation mppcf means million particles per cubic foot.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONTINUED)

Engineering controls: Use wet methods, local exhaust and dust collection to control airborne exposure. Clean up using wet methods or a HEPA vacuum.
Respiratory protection: Wear respirators approved by NIOSH as required by exposure conditions and applicable OSHA and California OSHA standards. For covered California high-exposure trigger tasks, use the protection required by Title 8, Section 5204(h). This includes a PAPR with an APF of 1000 or protection that is equal to or greater than this level, unless a specified exception applies.
Eye and skin protection: Wear goggles that protect against dust or safety glasses with side shields. Wear suitable gloves and protective clothing. Use a face shield for flying fragments. Wash after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Physical state	Solid natural stone.
Color	Various colors.
Odor	Odorless.
Odor threshold	Not applicable.
Melting and freezing points	Not available.
Boiling point	Not available.
Flammability	Nonflammable.
Flash point and explosion limits	Not applicable.
Autoignition temperature	Not applicable.
Decomposition temperature	Not available.
pH and kinematic viscosity	Not applicable to intact stone.
Water solubility	Insoluble.
Partition coefficient, vapor pressure and vapor density	Not applicable to intact stone.
Relative density (specific gravity)	Not available.
Particle characteristics	Tiles and slabs. Dust size distribution is not available.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage.
Reactivity: No hazardous polymerization is expected. Other reaction data are not available.
Conditions to avoid: Uncontrolled dust and contact with acids or strong oxidizers.
Decomposition products: None are known under normal conditions.

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11. TOXICOLOGICAL INFORMATION

Exposure routes: Dust may be inhaled or contact the eyes and skin. Ingestion is unlikely during normal use.
Acute effects: Dust can irritate the eyes, skin and airways. High silica exposure may cause acute lung injury.
Chronic effects: Respirable crystalline silica can cause silicosis, lung cancer, kidney disease and effects on the immune system. Symptoms may include coughing, breathlessness and fatigue. Symptoms can be delayed.
Interactions: Existing respiratory disease may be aggravated. Silicosis increases the risk of tuberculosis. Smoking increases adverse respiratory effects.
Carcinogenicity: Respirable crystalline silica is classified in IARC Group 1. NTP identifies it as a known human carcinogen.

Numerical toxicity: The reference oral LD50 values for silica are greater than 22,500 mg/kg in rats and greater than 15,000 mg/kg in mice. Product mixture data are not available.
Other endpoints: Data on sensitization, mutagenicity, reproductive toxicity and aspiration are not available.

12. ECOLOGICAL INFORMATION

No product data are available for ecotoxicity, persistence, bioaccumulation, mobility or other environmental effects.

13. DISPOSAL CONSIDERATIONS

Dispose of stone, dust, slurry and containers at an authorized facility in accordance with local, state and federal requirements. Avoid generating dust.

14. TRANSPORT INFORMATION

Intact natural stone is not regulated as dangerous goods for U.S. DOT transport. A UN number, hazard class and packing group are not applicable. Secure loads against movement.

15. REGULATORY INFORMATION

OSHA hazard communication requirements are in 29 CFR 1910.1200 and California Title 8, Section 5194. Silica exposure requirements are in Section 5204 for general industry or Section 1532.3 for construction, as applicable. Covered natural stone high-exposure trigger tasks require enhanced controls under Section 5204.

California Proposition 65

WARNING: This product can expose you to silica, crystalline (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov.

16. OTHER INFORMATION

Revision date: September 2025.

Disclaimer

The information in this SDS is provided in good faith and is believed to be accurate as of the revision date. No express or implied warranty is provided. Regulatory requirements are subject to change. Natural Stone Resources, INC. does not control the conditions under which this product is used. The buyer or user is responsible for determining the appropriate conditions for safe handling and use.

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