GEOMETRO

1. IDENTIFICATION

Product: NSR GEOMETRO recycled glass mosaic tile.

Recommended use: Floor and wall coverings.

Restrictions: Avoid uncontrolled dust generation.

Supplier: Natural Stone Resources, INC.

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. Conservative classification based on the declared quartz concentration range.

Signal word: DANGER.

H350: May cause cancer by inhalation.

Other hazards: Broken tile can cause cuts. Processing generates dust and flying fragments. Dust may irritate eyes and airways and aggravate existing conditions.

Precautions: Obtain safety instructions before use. Do not breathe dust. Use wet cutting and effective dust extraction. Wear suitable gloves, protective clothing, eye protection and required respiratory protection. If exposed or concerned, get medical advice. Store securely. Dispose of waste lawfully. Clean with wet methods or a HEPA vacuum. Do not dry sweep or use compressed air.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Constituent	CAS number	Weight (%)
Recycled glass	65997-17-3	98
Enamel, pigments and colorants	Mixture	2
Crystalline silica (quartz)	14808-60-7	Less than 1

Composition basis: Supplied product information states 98% recycled glass and 2% enamel across colors and finishes. Crystalline silica is included within the material, not an additional percentage.

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4. FIRST AID MEASURES

Eyes: Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if easy to do. Do not rub the eyes. Obtain medical attention for persistent irritation, pain or an embedded fragment.

Skin: Wash with soap and water. Treat minor cuts with appropriate first aid. Obtain care for deep cuts, retained fragments or persistent irritation.

Inhalation: Move to fresh air. Seek medical attention if coughing or breathing symptoms persist. Call 911 for severe breathing difficulty.

Ingestion: Rinse mouth. Do not induce vomiting. Seek immediate medical advice if fragments are swallowed.

Symptoms and treatment: Dust can cause mechanical irritation. Fragments can cause lacerations. Treat according to symptoms and exposure. Do not attempt to remove embedded glass.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use media appropriate for the surrounding fire.

Specific hazards: The glass body is not expected to sustain combustion. Extreme heating can cause glass breakage.

Protective equipment: Firefighters should use appropriate protective clothing and self contained breathing apparatus where smoke or fumes are present.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep people away from broken glass and dusty areas. Avoid breathing dust and contact with sharp fragments. Use protection described in Section 8.

Containment and cleanup: Collect fragments using tools and place in a puncture resistant container. Use wet cleanup or a HEPA filtered vacuum for fine dust. Do not dry sweep or use compressed air.

Environmental precautions: Keep dust, slurry and fragments out of drains and waterways. Dispose of waste as described in Section 13.

7. HANDLING AND STORAGE

Safe handling: Handle cartons and sheets carefully. Protect hands from sharp edges and use safe lifting methods. During fabrication, use wet cutting and effective dust collection. Maintain electrical safety when water is used with power tools. Wash exposed skin after work and before eating or drinking.

Storage: Store cartons dry, stable and protected from impact. Keep away from incompatible chemicals. Follow installation instructions for adhesive materials, curing and approved applications.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits: Federal OSHA limits for particles not otherwise regulated are 15 mg/m3 total dust and 5 mg/m3 respirable dust as an 8 hour TWA, where that dust category applies. More specific constituent limits and applicable state requirements take precedence.

Crystalline silica reference: OSHA respirable crystalline silica PEL is 0.05 mg/m3, with an action level of 0.025 mg/m3, as an 8 hour TWA. The declared bulk content below 1% does not establish airborne exposure. Apply the relevant standard according to the activity and exposure.

Engineering controls: Use water fed cutting and effective local exhaust. Assess exposure during fabrication and removal. Do not dry cut with motorized equipment. Use wet cleanup or a HEPA filtered vacuum.

Eye and skin protection: Safety glasses with side protection. Add goggles or face protection where flying fragments or splash require it. Wear gloves suitable for sharp glass, protective clothing and suitable footwear.

Respiratory protection: Select a NIOSH approved respirator according to assessed exposure where engineering controls do not provide adequate protection. Required use must follow a respiratory protection program with medical evaluation, fit testing and training.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid mosaic tile. Color: Various. Odor: No characteristic odor expected from the glass body.

Water solubility: Glass body is effectively insoluble under ordinary use.

Flammability: Glass body does not support combustion. pH, kinematic viscosity, vapor pressure, relative vapor density and partition coefficient: Not applicable to the intact solid tile under ordinary use.

Flash point and lower and upper explosion limits: Not applicable to the glass body.

Melting point, boiling point, autoignition temperature and decomposition temperature: Not available.

Particle characteristics: Solid tile as supplied. Fabrication generates dust of variable particle size.

10. STABILITY AND REACTIVITY

Chemical stability: The glass body is expected to be stable under ordinary storage and use conditions.

Reactivity and hazardous reactions: Hydrofluoric acid attacks glass. Strong chemical exposure may affect colorants and backing.

Conditions to avoid: Impact, uncontrolled dust generation, extreme heating and abrupt temperature changes.

Hazardous decomposition: No decomposition is expected from the glass body during ordinary use.

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11. TOXICOLOGICAL INFORMATION

Likely exposure routes: Inhalation of fabrication dust and contact of dust or fragments with eyes and skin. Accidental ingestion of fragments is possible.

Immediate effects: Dust may cause mechanical irritation, coughing and discomfort. Fragments can cause cuts.

Chronic effects: Avoid repeated excessive dust exposure. Crystalline silica content is below 1% by weight. Respirable crystalline silica, if airborne, presents a serious inhalation hazard. Crystalline silica is recognized by IARC and NTP as carcinogenic to humans.

Mixture assessment: Quartz is disclosed in Section 3. Numerical toxicity data and specific endpoint studies: Not available.

12. ECOLOGICAL INFORMATION

Environmental handling: Prevent discharge of dust or fabrication slurry into waterways and drains.

13. DISPOSAL CONSIDERATIONS

Dispose of tile, fragments, dust, slurry and packaging in accordance with applicable local, state and federal regulations. Keep waste contained to prevent cuts and airborne dust. Determine waste classification based on the material, contamination and process.

14. TRANSPORT INFORMATION

Shipping description: Packaged recycled glass mosaic tile.

Dangerous goods: Not classified as dangerous goods for routine transport of the intact product.

UN number, UN proper shipping name, transport hazard class and packing group: Not applicable.

Environmental transport hazards: No classification assigned on the declared composition. Bulk transport: Not applicable to packaged tile.

Special precautions: Secure cartons and loads. Protect against breakage. Separately supplied chemicals must be transported according to their own classifications.

15. REGULATORY INFORMATION

Hazard communication: Safety information is provided with reference to OSHA 29 CFR 1910.1200 and California Title 8 Section 5194.

Workplace controls: Applicable federal and state dust and silica rules apply according to the work activity and exposure. Low bulk content does not waive workplace exposure controls.

⚠ **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 2021.

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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