

U.S. ENGLISH / STANDARD COLLECTION

Safety Data Sheet

Technical review copy. Product-specific ingredient disclosure, final classification and emergency arrangements remain incomplete. This document is not an operational SDS.

1. Identification

1.1 Product identifier. AUTHTERRA standard low-silica engineered surface, 3 cm, Serica silk finish. Usable slab size: 126 × 63 inches. This scope covers the standard designs listed on authterra.com.

1.2 Recommended use. Approved interior surface applications. Professional fabrication only. Do not dry cut, core, grind or polish. Use the AUTHTERRA fabrication instructions and product safety label.

1.3 Manufacturer / responsible party. Fugle Surfaces Inc., 2701 E. 5th Avenue, Tampa, FL 33605, United States. Product-information telephone: 1-888-886-2353 (voicemail; not an emergency-response service).

Product inquiries: support@authterra.com

1.4 Emergency telephone. An authorized product-emergency number and its coverage have not yet been established. General customer support is not an emergency-response service.

2. Hazard(s) identification

2.1 Classification status. Final U.S. GHS categories and label elements require a product-specific assessment. The warnings below are retained from the AUTHTERRA silica safety label; they are not a substitute for that assessment.

Retained label warning: DANGER. Dust may cause cancer by inhalation and lung damage through prolonged or repeated exposure. Respirable crystalline silica can cause silicosis, an irreversible and potentially fatal lung disease.

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SECTIONS 2-4

Composition & first aid

2. Hazard(s) identification / continued

2.2 Exposure context. Cutting, coring, grinding, polishing, installation adjustments, demolition and cleanup can generate dust. Bulk silica content does not measure airborne exposure. Effective dust controls remain necessary.

2.3 Other warnings. The label identifies respiratory irritation and possible kidney and immune-system effects. Heavy slabs can cause fatal crushing injuries; secure them and avoid the fall shadow. Final label elements and additional hazards require assessment.

3. Composition / information on ingredients

CONSTITUENT	IDENTITY / CAS	CONCENTRATION
Crystalline silica	Polymorph(s) and CAS identity to be confirmed	>5% and <40% by weight
Other reportable hazardous ingredients	Disclosure assessment incomplete	Not established

This confirmed collection range is not a complete Section 3 disclosure. The SDS author must establish reportable identities and defensible concentrations from production inputs, applying the relevant confidentiality provisions.

4. First-aid measures

EXPOSURE	RETAINED LABEL GUIDANCE
Inhalation	Move to fresh air; seek medical attention if symptoms occur or persist.
Eyes	Rinse with water for several minutes. Remove contact lenses if easy; continue rinsing.
Skin	Wash with soap and water.
Swallowed	Rinse mouth. Do not induce vomiting. Seek medical attention if unwell.

Product-specific acute/delayed symptoms, immediate medical attention and special treatment requirements remain to be completed by the SDS author.

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SECTIONS 5-7

Fire, release & handling

5. Fire-fighting measures

Extinguishing media, specific combustion/decomposition hazards and firefighter protection require assessment. The technical sheet's surface-burning classification does not establish nonflammability or a firefighting procedure.

6. Accidental release measures

- Use wet cleanup or HEPA-filtered vacuuming for dust and debris. Never dry sweep or use compressed air.
- Collect dust, slurry and broken material promptly and at least by shift end, using appropriate watertight containment. Prevent the spread of dust.
- Release-specific personal precautions, emergency procedures, environmental precautions and disposal classification require final assessment.

7. Handling and storage

- Use effective wet methods for every dust-generating operation, with local exhaust/dust collection and other engineering controls appropriate to the task.
- Store slabs upright indoors on secured, suitable racks or A-frames. Protect them from movement, falling and weather.
- Use equipment rated for the actual load. The verified 3 cm slab weight is 342 kg (approximately 754 lb). Include attachments and other loads in equipment selection.
- Secure slabs before removing restraints. Remain outside the fall shadow; never stand between unsecured slabs.
- Support cutouts independently. Do not lift or transport a piece by its cutout.
- Confirm chemical incompatibilities and all remaining storage precautions in the final SDS.

No dry cutting, coring, grinding or polishing. Wet methods do not eliminate the need to assess exposure and implement the employer's control program.

SECTION 8

Exposure controls

8. Exposure controls / personal protection

FEDERAL OSHA PARAMETER	VALUE	AVERAGING PERIOD
Respirable crystalline silica PEL	0.050 mg/m ³	8-hour TWA
Respirable crystalline silica action level	0.025 mg/m ³	8-hour TWA

These are airborne respirable crystalline silica values, not limits on bulk composition. State requirements may differ. Exposure assessment must address the actual process and working conditions.

Engineering controls and housekeeping

- Use effective wet methods, local exhaust and dust collection. Follow the employer's written silica exposure-control plan.
- Use HEPA-filtered vacuuming or wet cleanup. Prevent dust and slurry from accumulating or drying into an airborne source.
- Assess exposure where it may reach the action level, limit exposure to the PEL and implement applicable controls.

Personal protection

Respiratory protection must be selected by the employer based on exposure and applicable requirements, within the required respiratory-protection program. No universal respirator or protection factor is assigned here.

Use task-appropriate eye, hearing, hand and body protection. The existing AUTHERRA label identifies cut-resistant gloves and protective clothing. Address wet-work electrical and slip hazards in the work plan.

Data still required

Complete available ACGIH and other applicable/recommended limits for the disclosed ingredients, and confirm product-specific protection requirements. A lower bulk silica percentage does not establish a permissible reduction in workplace controls.

OSHA crystalline silica information

SECTIONS 9-10

Properties & stability

9. Physical and chemical properties

PROPERTY	AVAILABLE INFORMATION
Physical form	Solid engineered surface slab
Appearance / finish	Design-dependent appearance; Serica silk launch finish
Thickness / usable dimensions	3 cm; 126 × 63 inches
Verified slab weight	342 kg (approximately 754 lb)
Apparent density	≥2.0 g/cm ³ ; manufacturer-declared technical-sheet value, EN 14617-1:2013

The SDS author must assess all required physical-property fields, including odor, pH, melting/freezing and boiling behavior, flammability, flash point, vapor properties, solubility, partition coefficient, auto-ignition/decomposition temperature, viscosity and any other applicable characteristics. State unavailable or not applicable information accurately after assessment; do not infer negative test results from missing data.

10. Stability and reactivity

Product-specific reactivity, chemical stability, possible hazardous reactions, conditions to avoid, incompatible materials and hazardous decomposition products have not yet been established in the reviewed AUTHTERRA safety information.

Finished-product data must support the assessment. A shared raw-material supplier does not establish identical composition, hazard classification or surface chemistry.

SECTIONS 11-13

Health & environmental information

11. Toxicological information

The retained label warnings identify cancer by inhalation, lung damage from prolonged/repeated exposure, respiratory irritation, possible kidney and immune-system effects, and silicosis. Inhalation of process dust is the principal exposure concern identified by the label.

The final assessment must address relevant exposure routes, symptoms, immediate/delayed/chronic effects, numerical toxicity information where available, carcinogen listings and applicable hazard endpoints. No product-level GHS category or finding of no hazard is inferred from the Eclos reference.

12. Ecological information

Ecotoxicity, persistence/degradability, bioaccumulation, mobility and other adverse effects have not been established from the reviewed product information. The SDS author must provide applicable information or an accurate statement of data availability. No environmental-safety claim is made.

13. Disposal considerations

Collect dust, slurry and debris with wet or HEPA-filtered methods and appropriate containment. Follow applicable disposal requirements. Assess disposal routes and classification for slabs, offcuts, sludge, dust and packaging; no non-hazardous-waste classification has been assumed.

Sections 12-15 are retained for a complete international document structure. Their inclusion does not establish environmental, waste or transport exemptions.

SECTIONS 14-16

Transport, regulation & revision

14. Transport information

UN number, proper shipping name, hazard class, packing group, environmental hazards and any special precautions remain subject to the product transport assessment. Secure slabs during transport and remain outside the fall shadow. No transport exemption is asserted.

15. Regulatory information

U.S. English edition. Fugle Surfaces Inc. is the responsible manufacturer. OSHA Hazard Communication, 29 CFR 1910.1200 Appendix D, provides the organizing reference. Federal silica standards include 29 CFR 1910.1053 and 1926.1153, according to the work performed.

Validate applicable California warnings/workplace requirements and any chemical inventory, reporting or jurisdiction-specific requirements in the final assessment. This review copy does not assert regulatory compliance.

16. Other information

Package edition: June 2026. Document revision: 05. The factual SDS preparation / last-revision date must be assigned and recorded by the SDS author; the package edition is not a substitute for that date.

Sources: manufacturer-confirmed launch specifications; AUTHTERRA silica safety label AUTH-SAF-001 Rev 07; AUTHTERRA Technical Data Sheet; OSHA hazard communication and crystalline silica references. Eclos was used to benchmark organization, not to supply AUTHTERRA hazard findings.

OSHA SDS information requirements

Release requires completed ingredient disclosure and hazard assessment, authorized safety/emergency contacts, applicable safety data, and manufacturer approval of the final SDS and matching label.