

## Safety Data Sheet Terrazzo

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### SECTION 1: Identification

#### 1.1 Product identifier

Product name Terrazzo

#### 1.2 Other means of identification

Not applicable

#### 1.3 Recommended use of the chemical and restrictions on use

Recommended use: Flooring and Wall Tiles

Restriction on use: no data available

#### 1.4 Supplier's details

Name Surface Elements, Inc  
Address PO Box 82  
Loretto, TN 38469  
USA

Telephone (256) 740-3977

#### 1.5 Emergency phone number(s)

(256) 740-3977

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

#### 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Other hazards which do not result in classification

Generation of excessive amounts of dust/fume from cutting, grinding, smelting or exposure to high temperature is hazardous. It may cause eye, skin, and respiratory tract irritation due to mechanical action of solid particles and potential exposure to hazardous chemicals.

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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable.

### 3.2 Mixtures

#### Components\*

Component	Concentration
Cured resin (CAS no.: not available)	Proprietary
Continuous Filament/FiberGlass (CAS no.: 65997-17-3)	Proprietary
Titanium dioxide (CAS no.: 13463-67-7)	Proprietary
Aluminum hydroxide (CAS no.: 21645-51-2)	Proprietary
Amorphous silica (CAS no.: 7631-86-9)	Proprietary

\*The specific chemical identities and/or actual concentrations for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	Not normally required. If product dust is breathed in, move person into fresh air. If not breathing, give artificial respiration. Call a poison center or doctor.
In case of skin contact	Not normally required. Wash with water. Call a poison center or doctor if irritation or rash develops or persists.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.
If swallowed	Not a likely route of exposure. Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

If inhaled	Product dust may cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	Product dust may cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	Product dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Specific hazards arising from the chemical

Excessive dust generation may form explosive combustible dust concentrations in air. Hazardous decomposition products: Carbon oxides and other hazardous fumes and gases.

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust generation and inhalation. Ensure adequate ventilation. For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

#### Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices. Ensure adequate ventilation. Avoid dust generation and inhalation.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry and well-ventilated place.

#### Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Cured resin as particles not otherwise classified (PNOC)

PEL-TWA: 5 mg/m<sup>3</sup> (respirable fraction), 15 mg/m<sup>3</sup> (total dust) (OSHA)

TLV-TWA: 3 mg/m<sup>3</sup> (respirable particles); 10 mg/m<sup>3</sup> (inhalable particles) (ACGIH)

Continuous Filament/FiberGlass (CAS no.: 65997-17-3)

PEL-TWA: 15 mg/m<sup>3</sup> or 50 mppcf (total dust), 5 mg/m<sup>3</sup> or 15 mppcf (respirable fraction) (OSHA)

REL-TWA: 3 fibers/cm<sup>3</sup> (fibers with diameter ≤ 3.5µm and length ≥ 10µm). TWA 5 mg/m<sup>3</sup> (total) (NIOSH)

TLV-TWA (ACGIH): 1 fiber/cc, 5 mg/m<sup>3</sup>.

Titanium dioxide (CAS no.: 13463-67-7)  
PEL-TWA: 15 mg/m<sup>3</sup> (total dust) (OSHA)  
TLV-TWA: 10 mg/m<sup>3</sup> (ACGIH)  
PEL-TWA: 10 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction) (Cal/OSHA)

### 8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety goggles are recommended.

#### Skin protection

Wear protective gloves.

#### Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Provide adequate ventilation. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate dust mask, air-purifying respirator with particulate filter (HEPA), or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Thermal hazards

No data available.

#### Environmental exposure controls

Do not let product enter drains.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Solid of various colors.
Odor	No odor.
Odor threshold	No data available.
pH	Not applicable.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	Not applicable.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	Not applicable.
Relative density	2.20
Solubility(ies)	Not soluble in water.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.

Viscosity  
Explosive properties  
Oxidizing properties

Not applicable.  
Not explosive.  
Not oxidizing.

**Other safety information**  
No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not reactive under normal use and storage conditions.

### 10.2 Chemical stability

Stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Avoid dust generation, avoid exposure to heat and contact with incompatible materials.

### 10.5 Incompatible materials

Strong oxidizing agents, strong bases, strong acids.

### 10.6 Hazardous decomposition products

No data available.

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## SECTION 11: Toxicological information

### Information on toxicological effects

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation.

If inhaled	Product dust may cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
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In case of skin contact	Product dust may cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
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In case of eye contact	Product dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
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If swallowed	May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.
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### Acute toxicity

Based on available data, classification data are not met

### Skin corrosion/irritation

Based on available data, classification data are not met

### Serious eye damage/irritation

Based on available data, classification data are not met

**Respiratory or skin sensitization**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

IARC: Product contains titanium dioxide, which is classified as possibly carcinogenic to humans by IARC (Group 2B). Carcinogenic effect (lung tumors) was observed in long-term studies in rats in which the substance was given by inhalation. However, similar pathological changes were not observed in other common laboratory rodents. Epidemiological investigations showed no link between titanium dioxide exposure and cancer risk in humans. Titanium dioxide used in this product is in a non-respirable form under normal conditions of use. Therefore, the carcinogenic effects of titanium dioxide are not applicable for this product.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

No data available.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Additional information**

No data available.

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**SECTION 12: Ecological information**

**Toxicity**

No data available on product.

**Persistence and degradability**

No data available on product.

**Bioaccumulative potential**

No data available on product.

**Mobility in soil**

No data available.

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects**

No data available.

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**SECTION 13: Disposal considerations**

**Disposal of the product**

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

**Disposal of contaminated packaging**

Dispose of as unused product.

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**SECTION 14: Transport information**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

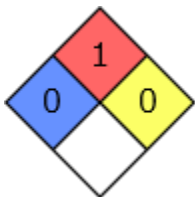
**SARA 311/312 Hazards**

No SARA hazards.

**HMIS Rating**

Terrazzio	
<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	

**NFPA Rating**



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**SECTION 16: Other information**

**16.1 Further information/disclaimer**

Date of issue: January 19, 2022.

**DISCLAIMER:** The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own

**Safety Data Sheet**  
**Terrazzo**



investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.