

**SECTION 1: IDENTIFICATION****1.1. Product Identifier****Product Form:** Mixture**Product Name:** Barn™**1.2. Intended Use of the Product****Use of the substance/mixture:** Floor and wall.**1.3. Name, Address, and Telephone of the Responsible Party****Company**

Emser Tile &amp; Natural Stone

8431 Santa Monica Blvd

Los Angeles, CA 90069

Phone #: 323.650.2000

Website: [www.emser.com](http://www.emser.com)**1.4. Emergency Telephone Number****Emergency Number** : 323.650.2000**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the Substance or Mixture****GHS-US classification**

Not classified

**2.2. Label Elements****GHS-US Labeling**

No labeling applicable

**2.3. Other Hazards**

In its solid form, tile is not hazardous. However, dust released from finishing processes such as cutting, grinding, or polishing may pose a health hazard when inhaled. Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**2.4. Unknown Acute Toxicity (GHS-US)**

No data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substance**

Not applicable

**3.2. Mixture**

| Name   | Product Identifier  | %  |
|--|---------------------|----|
| Quartz*                                      | (CAS No) 14808-60-7 | 74 |
| Aluminum oxide                               | (CAS No) 1344-28-1  | 22 |
| Niobium potassium oxide (NbKO <sub>3</sub> ) | (CAS No) 12030-85-2 | 3  |
| Calcium titanium oxide (CaTiO <sub>3</sub> ) | (CAS No) 12049-50-2 | 2  |

\*Specular is a complex fused metallic alumino-silicate and contains no free crystalline silica. Therefore, the hazards usually associated with quartz are not applicable to this product.

**SECTION 4: FIRST AID MEASURES****4.1. Description of First Aid Measures****First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.**First-aid Measures After Skin Contact:** Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.**First-aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.**First-aid Measures After Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if a large amount is swallowed.**4.2. Most important symptoms and effects, both acute and delayed****Symptoms/Injuries:** None expected under normal conditions of use.**Symptoms/Injuries After Inhalation:** Prolonged inhalation of dust may cause respiratory irritation.**Symptoms/Injuries After Skin Contact:** Prolonged contact with large amounts of dust may cause mechanical irritation.

**Symptoms/Injuries After Eye Contact:** Eye contact with dust may cause mechanical irritation.

**Symptoms/Injuries After Ingestion:** Adverse effects not expected from this product.

**Chronic Symptoms:** Repeated or prolonged inhalation of dust particles may cause effects on the lungs. This may result in pneumoconiosis.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

#### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe dust. Avoid prolonged contact with skin, eyes and clothing.

##### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

##### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

#### 6.2. Environmental Precautions

Avoid unnecessary release into environment.

#### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain and collect as any solid.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal.

#### 6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

#### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in dry, cool area. Store away from incompatible materials.

**Incompatible Products:** None known.

#### 7.3. Specific End Use(s)

Floor and wall.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

| Particulates not otherwise classified (PNOC) (RR-00072-6) |                                |   |
|---|--------------------------------|---|
| USA ACGIH   | ACGIH TWA (mg/m <sup>3</sup> ) | 3 mg/m <sup>3</sup> Respirable fraction |

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|          |                                     |  |
|----------|-------------------------------------|--|
|          |                                     | 10 mg/m <sup>3</sup> Total Dust  |
| USA OSHA | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> Respirable fraction<br>15 mg/m <sup>3</sup> Total Dust |

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

#### Personal Protective Equipment

: Insufficient ventilation: wear respiratory protection.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics.

#### Hand Protection

: Wear protective gloves.

#### Eye Protection

: In case of dust production: protective goggles.

#### Skin and Body Protection

: Wear suitable protective clothing.

#### Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

#### Other Information

: When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

|  |                     |
|--|---------------------|
| Physical State                         | : Solid             |
| Appearance                             | : No data available |
| Odor                                   | : No data available |
| Odor Threshold                         | : No data available |
| pH                                     | : No data available |
| Evaporation Rate                       | : No data available |
| Melting Point                          | : No data available |
| Freezing Point                         | : No data available |
| Boiling Point                          | : No data available |
| Flash Point                            | : No data available |
| Auto-ignition Temperature              | : No data available |
| Decomposition Temperature              | : No data available |
| Flammability (solid, gas)              | : No data available |
| Vapor Pressure                         | : No data available |
| Relative Vapor Density at 20 °C        | : No data available |
| Relative Density                       | : No data available |
| Solubility                             | : No data available |
| Partition Coefficient: N-Octanol/Water | : No data available |
| Viscosity                              | : No data available |

9.2. Other Information No additional information available.

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. **Conditions to Avoid:** Incompatible materials.
- 10.5. **Incompatible Materials:** None known.
- 10.6. **Hazardous Decomposition Products:** None known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

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|   |               |
|---|---------------|
| <b>Quartz (14808-60-7)</b>                          |               |
| LD50 Oral Rat                                       | > 5000 mg/kg  |
| LD50 Dermal Rat                                     | > 5000 mg/kg  |
| <b>Aluminum oxide (1344-28-1)</b>                   |               |
| LD50 Oral Rat                                       | > 15900 mg/kg |
| LC50 Inhalation Rat                                 | > 2.3 mg/l/4h |
| <b>Niobium potassium oxide (NbKO3) (12030-85-2)</b> |               |
| LD50 Oral Rat                                       | 3 g/kg        |

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

|   |   |
|---|---|
| <b>Quartz (14808-60-7)</b>                |   |
| IARC group                                | 1   |
| National Toxicology Program (NTP) Status  | Known Human Carcinogens.                      |
| OSHA Hazard Communication Carcinogen List | In OSHA Hazard Communication Carcinogen list. |

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged inhalation of dust may cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** Prolonged contact with large amounts of dust may cause mechanical irritation.

**Symptoms/Injuries After Eye Contact:** Eye contact with dust may cause mechanical irritation.

**Symptoms/Injuries After Ingestion:** Adverse effects not expected from this product.

**Chronic Symptoms:** Repeated or prolonged inhalation of dust particles may cause effects on the lungs. This may result in pneumoconiosis.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : Not classified.

|                                   |            |
|-----------------------------------|------------|
| <b>Aluminum oxide (1344-28-1)</b> |            |
| LC50 Fish 1                       | > 100 mg/l |
| EC50 Daphnia 1                    | > 100 mg/l |
| ErC50 (algae)                     | > 100 mg/l |
| NOEC (acute)                      | > 50 mg/l  |

### 12.2. Persistence and Degradability

|                               |                  |
|-------------------------------|------------------|
| <b>Specular</b>               |                  |
| Persistence and Degradability | Not established. |

### 12.3. Bioaccumulative Potential

|                           |                  |
|---------------------------|------------------|
| <b>Specular</b>           |                  |
| Bioaccumulative Potential | Not established. |

**12.4. Mobility in Soil** No additional information available.

### 12.5. Other Adverse Effects

**Other Information** : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT** Not regulated for transport.

**14.2. In Accordance with IMDG** Not regulated for transport.

**14.3. In Accordance with IATA** Not regulated for transport.

**SECTION 15: REGULATORY INFORMATION**

**15.1 US Federal Regulations**

|  |                                 |
|--|---------------------------------|
| <b>Specular</b>  |                                 |
| <b>SARA Section 311/312 Hazard Classes</b>   | Delayed (chronic) health hazard |
| <b>Quartz (14808-60-7)</b>   |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  |                                 |
| <b>Aluminum oxide (1344-28-1)</b>  |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 |                                 |
| <b>SARA Section 313 - Emission Reporting</b>   | 1.0 % (fibrous forms)           |
| <b>Niobium potassium oxide (NbKO3) (12030-85-2)</b>  |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  |                                 |
| <b>Calcium titanium oxide (CaTiO3) (12049-50-2)</b>  |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  |                                 |

**15.2 US State Regulations**

|  |  |
|--|--|
| <b>Quartz (14808-60-7)</b>   |  |
| <b>U.S. - California - Proposition 65 - Carcinogens List</b>   | WARNING: This product contains chemicals known to the State of California to cause cancer. |
| <b>Quartz (14808-60-7)</b>   |  |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List  |  |
| <b>Aluminum oxide (1344-28-1)</b>  |  |
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List<br>U.S. - Pennsylvania - RTK (Right to Know) List |  |

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Revision Date** : 10/21/2015  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)