SECTION 1: Identification

1.1. Identification

Product form: Mixture
Product name: Schluter ALL-SET™ Gray

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Tile adhesive

1.3. Details of the supplier of the safety data sheet

Schluter Systems L.P.
USA: Schluter Systems L.P. | 194 Pleasant Ridge Road
CAN: Schluter Systems (Canada) Inc. | 21100 chemin Ste-Marie
Plattsburgh, NY | Ste-Anne-de-Bellevue, QC
USA: schluter.com / CAN: schluter.ca

1.4. Emergency telephone number

Emergency number: CHEMTREC: 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

- Serious eye damage/eye irritation Category 2A: H319
- Carcinogenicity Category 1A: H350
- Specific target organ toxicity (single exposure) Category 3: H335
- Specific target organ toxicity (repeated exposure) Category 2: H373

Full text of H statements: see section 16

2.2. Label elements

GHS-US labeling

- Hazard pictograms (GHS-US):
  - GHS07
  - GHS08

- Signal word (GHS-US): Danger

- Hazard statements (GHS-US):
  - H319 - Causes serious eye irritation
  - H350 - May cause cancer
  - H335 - May cause respiratory irritation
  - H373 - May cause damage to organs through prolonged or repeated exposure

- Precautionary statements (GHS-US):
  - P201 - Obtain special instructions before use
  - P202 - Do not handle until all safety precautions have been read and understood
  - P260 - Do not breathe dust/fume/gas/mist/vapors/spray
  - P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
  - P264 - Wash hands, forearms and face thoroughly after handling
  - P271 - Use only outdoors or in a well-ventilated area
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection
  - P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
  - P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  - P308+P313+P337 - If exposed or concerned: Get medical advice/attention
  - P312 - Call a doctor if you feel unwell
  - P314 - Get medical advice/attention if you feel unwell
  - P337+P313 - If eye irritation persists: Get medical advice/attention
  - P403+P233 - Store in a well-ventilated place. Keep container tightly closed
  - P405 - Store locked up
  - P501 - Dispose of contents/container to in accordance with local/regional/international regulations

2.3. Other hazards

No additional information available
2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (CAS No) 14808-60-7</td>
<td>NA</td>
<td>45-55</td>
<td>Eye Irrit. 2A, H319, Carc. 1A, H350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335, STOT RE 2, H373</td>
</tr>
<tr>
<td>Calcium, Aluminosilicates</td>
<td>NA</td>
<td>0-10</td>
<td>Carc. 1A, H350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H336</td>
</tr>
<tr>
<td>Calcium Oxide (CAS No)</td>
<td>1305-78-8</td>
<td>1-5</td>
<td>Eye Irrit. 2, H315, Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td>Trade Secret (N/A)</td>
<td></td>
<td></td>
<td>Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td>Manganese Dioxide (CAS No)</td>
<td>1313-13-9</td>
<td>&lt;1</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3 (Dermal), H311</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 (Inhalation), H332</td>
</tr>
<tr>
<td>Phosphorus Pentoxide (CAS No)</td>
<td>1314-58-3</td>
<td>&lt;1</td>
<td>Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>Potassium Oxide (CAS No)</td>
<td>12136-45-7</td>
<td>&lt;1</td>
<td>Skin Corr. 1A, H314</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements: see section 16
Specific chemical identity and exact percentages are withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact: Wash skin with plenty of water.
First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion: Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory irritation.
Symptoms/injuries after eye contact: Eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media


5.2. Special hazards arising from the substance or mixture

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions
Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other information: Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Hygiene measures: Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Material</th>
<th>ACGIH TWA (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>0.025 mg/m³ A2</td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>Lung Cancer; Silicosis</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td></td>
<td>50 µg/m³</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td></td>
<td>(3) See Table Z-3.</td>
</tr>
<tr>
<td>NIOSH</td>
<td></td>
<td></td>
<td>0.05 mg/m³ Ca</td>
</tr>
<tr>
<td>NIOSH</td>
<td></td>
<td></td>
<td>See Appendix A</td>
</tr>
<tr>
<td>Portland Cement (65997-15-1)</td>
<td></td>
<td></td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>Pulm func; resp symptoms; asthma</td>
</tr>
<tr>
<td>Limestone (1317-65-3)</td>
<td></td>
<td></td>
<td>10 mg/m³ Total dust</td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>5 mg/m³ Respirable dust</td>
</tr>
<tr>
<td>Calcium Oxide (1305-78-8)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>URT irr</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td></td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>IDLH</td>
<td></td>
<td></td>
<td>25 mg/m³</td>
</tr>
<tr>
<td>Manganese Dioxide (1313-13-9)</td>
<td></td>
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<tr>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phosphorus Pentoxide (1314-56-3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium Oxide (12136-45-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
<td>Not Established</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td></td>
<td>Not Established</td>
</tr>
<tr>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Magnesium Sulfate (7487-88-9)

<table>
<thead>
<tr>
<th></th>
<th>ACGIH TWA (mg/m³)</th>
<th>Not Established</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>Not Established</td>
</tr>
<tr>
<td>NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Calcium, Aluminosilicates

Not applicable

Particulates Not Otherwise Regulated (Total Dust)

<table>
<thead>
<tr>
<th></th>
<th>ACGIH TWA (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td></td>
<td>TWA: 3 mg/m³ 8 hours. Form: Respirable</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td>TWA: 5 mg/m³ 8 hours. Form: Total dust</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear respiratory protection.

Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Powder: Grey or white</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Manganese Dioxide (1313-13-9)
LD50 oral rat > 3478 mg/kg
LD50 dermal rat 422 mg/kg
ATE US (oral) 500,000 mg/kg body weight
ATE US (dermal) 422,000 mg/kg body weight
ATE US (gases) 4500,000 ppmV/4h
ATE US (vapors) 11,000 mg/l/4h
ATE US (dust, mist) 1,500 mg/l/4h

Potassium Chloride (7447-40-7)
LD50 oral rat 2600 mg/kg
ATE US (oral) 2600,000 mg/kg body weight

Skin corrosion/irritation
Serious eye damage/irritation
Respiratory or skin sensitization
Germ cell mutagenicity
Carcinogenicity

Quartz (14808-60-7)
IARC group 1 - Carcinogenic to humans
Reproductive toxicity
Specific target organ toxicity – single exposure
Specific target organ toxicity – repeated exposure
Aspiration hazard
Symptoms/injuries after inhalation
Symptoms/injuries after eye contact

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Magnesium Sulfate (7487-88-9)
Magnesium Sulfate (7487-88-9)


Potassium Chloride (7447-40-7)


| EC50 Daphnia | 419 mg/l Mohammed, A. 2007. Comparative Sensitivities of the Tropical Cladoceran, Ceriodaphnia rigaudii and the Temperate Species Daphnia magna to Seven Toxicants. Toxicol.Environ.Chem. 89(2):347-352 |


12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on the global warming : No known effects from this product.
GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not applicable

Transportation of Dangerous Goods
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

| Calcium, Aluminosilicates | CAS No | 0-10% |

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Quartz(14808-60-7)
WHMIS Classification : Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
Schluter ALL-SET™ Gray
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Portland Cement (65997-15-1) | WHMIS Classification | Class E - Corrosive Material |

**EU-Regulations**

No additional information available

**National regulations**

**Quartz (14808-60-7)**

Listed on IARC (International Agency for Research on Cancer)

**15.3. US State regulations**

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

<table>
<thead>
<tr>
<th>Quartz (14808-60-7)</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**Quartz (14808-60-7)**

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - New Jersey - Right to Know Hazardous Substance List

**Portland Cement (65997-15-1)**

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - New Jersey - Right to Know Hazardous Substance List

**Limestone (1317-65-3)**

U.S. - New Jersey - Right to Know Hazardous Substance List

**Calcium Oxide (1305-78-8)**

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

**Manganese Dioxide (1313-13-9)**

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

**Phosphorus Pentoxide (1314-56-3)**

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

**Potassium Oxide (12136-45-7)**

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

**SECTION 16: Other information**

Revision date: 03/03/2017

### Full text of H-phrases:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H320</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
</tbody>
</table>

### HMIS III Rating

- **Health**: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
- **Flammability**: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
- **Physical**: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

### SDS US (GHS HazCom 2012)

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.