1 Identification

- Product identifier

- Trade name: Multi-Purpose Grout

- Article number: 83-307975

- Application of the substance / the mixture

- Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
  Unitex®
  3101 Gardner
  Kansas city, MO 64120

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call (703) 527-3887. Collect calls are accepted.

- Information department: Environmental, Health, and Safety department.

2 Hazard(s) identification

- Classification of the substance or mixture
  
  Skin Corr. 1C H314 Causes severe skin burns and eye damage.
  Eye Dam. 1 H318 Causes serious eye damage.
  Skin Sens. 1 H317 May cause an allergic skin reaction.
  Carc. 1A H350 May cause cancer.
  STOT SE 3 H335 May cause respiratory irritation.

- Label elements

- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms

  GHS05  GHS07  GHS08

- Signal word Danger

- Hazard-determining components of labeling:
  Cement, portland, chemicals
  Quartz (SiO2)

- Hazard statements
  Causes severe skin burns and eye damage.
  May cause an allergic skin reaction.
  May cause cancer.
  May cause respiratory irritation.

- Precautionary statements
  Do not breathe dusts or mists.
  If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  Immediately call a POISON CENTER/doctor.
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)
Trade name: Multi - Purpose Grout

- Classification system:
  - NFPA ratings (scale 0 - 4)
    
    Health = 1  
    Fire = 0  
    Reactivity = 0  

- HMIS-ratings (scale 0 - 4)
  
  HEALTH  
  FIRE  
  PHYSICAL HAZARD  

  Health = 1  
  Fire = 0  
  Reactivity = 0  

- Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:
  
  14808-60-7 Quartz (SiO2) 50-75%  
  65997-15-1 Cement, portland, chemicals 25-50%  
  7778-18-9 calcium sulphate, natural ≤ 5%  

- Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: If skin irritation continues, consult a doctor.
  - After eye contact: Rinse opened eye for several minutes under running water.
  - Information for doctor:
    - Most important symptoms and effects, both acute and delayed No further relevant information available.
    - Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture No further relevant information available.
  - Advice for firefighters
  - Protective equipment:
    Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.

- Environmental precautions:
  Do not allow product to reach sewage system or any water course.
  No special measures required.

- Methods and material for containment and cleaning up: Pick up mechanically.

- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling
    Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

- Information about protection against explosions and fires: No special measures required.

- Conditions for safe storage, including any incompatibilities

- Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: None.

- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.

- Control parameters

- Components with limit values that require monitoring at the workplace:

  **14808-60-7 Quartz (SiO2)**
  - PEL: see Quartz listing
  - REL: Long-term value: 0.05* mg/m³
    *respirable dust; See Pocket Guide App. A
  - TLV: Long-term value: 0.025* mg/m³
    *as respirable fraction

  **65997-15-1 Cement, portland, chemicals**
  - PEL: Long-term value: 50 mppcf or 15* 5** mg/m³
    *total dust **respirable fraction
  - REL: Long-term value: 10* 5** mg/m³
    *total dust **respirable fraction
  - TLV: Long-term value: 1* mg/m³
    *as respirable fraction

(Contd. on page 4)
Trade name: Multi - Purpose Grout

<table>
<thead>
<tr>
<th>7778-18-9 calcium sulphate, natural</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PEL</strong> Long-term value: 15* 5** mg/m³</td>
</tr>
<tr>
<td>*total dust **respirable fraction</td>
</tr>
<tr>
<td><strong>REL</strong> Long-term value: 10* 5** mg/m³</td>
</tr>
<tr>
<td>*total dust **respirable fraction</td>
</tr>
<tr>
<td><strong>TLV</strong> Long-term value: 10* mg/m³</td>
</tr>
<tr>
<td>*as inhalable fraction</td>
</tr>
</tbody>
</table>

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
    - **Breathing equipment:** Not required.
    - **Protection of hands:**
      
      **Protective gloves**

      The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

      **Material of gloves**
      The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

      **Penetration time of glove material**
      The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

      **Eye protection:** Wear appropriate eye protection to prevent eye contact.

---

**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Solid
      - **Color:** According to product specification
      - **Odor:** Characteristic
      - **Odor threshold:** Not determined.
  - **pH-value:** Not applicable.
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** >999 °C (>1830 °F)
  - **Flash point:** Not applicable.
  - **Flammability (solid, gaseous):** Not determined.
  - **Ignition temperature:**
    - **Decomposition temperature:** Not determined.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
• Explosion limits:
  Lower: Not determined.
  Upper: Not determined.

• Vapor pressure: Not applicable.

• Density at 20 °C (68 °F): 2.8386 g/cm³ (23.688 lbs/gal)
  Relative density: Not determined.
  Vapor density: Not applicable.
  Evaporation rate: Not applicable.

• Solubility in / Miscibility with Water: Insoluble.

• Partition coefficient (n-octanol/water): Not determined.

• Viscosity:
  Dynamic: Not applicable.
  Kinematic: Not applicable.

• Solvent content:
  Organic solvents: 0.0 %

• Solids content: 100.0 %

• Other information: No further relevant information available.

• Volatile Organic Compounds: Not determined

10 Stability and reactivity

• Reactivity: No further relevant information available.
• Chemical stability
• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
• Possibility of hazardous reactions: No dangerous reactions known.
• Conditions to avoid: Keep away from heat and sources of ignition.
• Incompatible materials: No further relevant information available.
• Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

• Information on toxicological effects
  • Acute toxicity:
  • Primary irritant effect:
    • on the skin: May cause skin irritation.
    • on the eye: No irritating effect known.
  • Sensitization: No sensitizing effects known.
• Additional toxicological information:
• Carcinogenic categories

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td>1</td>
</tr>
<tr>
<td>13463-67-7 titanium dioxide</td>
<td>2B</td>
</tr>
<tr>
<td>1309-37-1 diiron trioxide</td>
<td>3</td>
</tr>
</tbody>
</table>
Safety Data Sheet
acc. to OSHA HCS

Trade name: Multi - Purpose Grout

- NTP (National Toxicology Program)
  14808-60-7 Quartz (SiO2) K

- OSHA-Ca (Occupational Safety & Health Administration)
  None of the ingredients is listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.

- Behavior in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.

- Additional ecological information:
  - General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.

- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    Must not be disposed of as normal garbage. Do not allow product to reach sewage system.
    It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

- Uncleaned packaging:
  - Recommendation: Disposal must be made according to Federal, State, and Local regulations.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA Not Regulated

- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA Not Regulated

- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA
    - Class Not Regulated

- Packing group
  - DOT, ADR, IMDG, IATA Not Regulated

- Environmental hazards:
  - Marine pollutant: No
Trade name: Multi - Purpose Grout

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

- Transport/Additional information:
  - ADR
  - U.S. Domestic Ground Shipments: Same as listed for Standard Shipments above.
  - U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: Same as listed for Standard Shipments above.
  - Emergency Response Guide (ERG) Number: Not determine
  - UN "Model Regulation": Not Regulated

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
  - Section 355 (extremely hazardous substances):
    None of the ingredient is listed.
  - Section 313 (Specific toxic chemical listings):
    This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.
    1344-28-1 aluminium oxide ≤1%
  - TSCA (Toxic Substances Control Act):
    14808-60-7 Quartz (SiO2)
    65997-15-1 Cement, portland, chemicals
    7778-18-9 calcium sulphate, natural
    1344-28-1 aluminium oxide
    65997-16-2 Cement, alumina, chemicals
    9084-06-4 Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt
    13463-67-7 titanium dioxide
    1309-37-1 diiron trioxide
  - Proposition 65
    - Chemicals known to the State of California (Prop. 65) to cause cancer:
      14808-60-7 Quartz (SiO2)
      13463-67-7 titanium dioxide
    - Chemicals known to cause reproductive toxicity for females:
      None of the ingredients is listed.
    - Chemicals known to cause reproductive toxicity for males:
      None of the ingredients is listed.
    - Chemicals known to cause developmental toxicity:
      None of the ingredients is listed.
  - Cancerogenity categories
    - EPA (Environmental Protection Agency)
      None of the ingredients is listed.
## TLV (Threshold Limit Value established by ACGIH)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>TLV (mg/m³)</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO₂)</td>
<td>14800</td>
<td>mg/m³</td>
</tr>
<tr>
<td>1344-28-1</td>
<td>aluminium oxide</td>
<td>10</td>
<td>mg/m³</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1309-37-1</td>
<td>diiron trioxide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## MAK (German Maximum Workplace Concentration)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>MAK (mg/m³)</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO₂)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1344-28-1</td>
<td>aluminium oxide</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>3A</td>
<td></td>
</tr>
</tbody>
</table>

## NIOSH-Ca (National Institute for Occupational Safety and Health)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance</th>
<th>NIOSH-Ca (mg/m³)</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO₂)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**
  - GHS05
  - GHS07
  - GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  - Cement, portland, chemicals
  - Quartz (SiO₂)

- **Hazard statements**
  - Causes severe skin burns and eye damage.
  - May cause an allergic skin reaction.
  - May cause cancer.
  - May cause respiratory irritation.

- **Precautionary statements**
  - Do not breathe dusts or mists.
  - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Immediately call a POISON CENTER/doctor.
  - Store locked up.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
  - Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
  - Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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### 16 Other information

The provided information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environmental, Health & Safety Department
- **Contact:** Environmental, Health & Safety Manager
Trade name: Multi - Purpose Grout

- Date of preparation / last revision 03/17/2016 / 260
- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  NIOSH: National Institute for Occupational Safety
  OSHA: Occupational Safety & Health
  TLV: Threshold Limit Value
  PEL: Permissible Exposure Limit
  REL: Recommended Exposure Limit
  Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C
  Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
  Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
  Carc. 1A: Carcinogenicity, Hazard Category 1A
  STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3