1. Identification

Product identifier: USG Durock™ Brand Quik-Cover™ Self-Leveling Underlayment

Other means of identification:
- SDS number: 14000000038
- Synonyms: Underlayment

Recommended use: Interior use.

Recommended restrictions: Use in accordance with manufacturer's recommendations.

Manufacturer/Importer/Supplier/Distributor information:
- Company name: United States Gypsum Company
- Address: 550 West Adams Street, Chicago, Illinois 60661-3637
- Telephone: 1-800-874-4968
- Website: www.usg.com
- Emergency phone number: 1-800-507-8899

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards:
- Skin corrosion/irritation: Category 2
- Serious eye damage/eye irritation: Category 1
- Sensitization, skin: Category 1
- Carcinogenicity: Category 1A

OSHA defined hazards: Not classified.

Label elements:
- Signal word: Danger
- Hazard statement: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause cancer.
- Precautionary statement:
  - Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
  - Response: If on skin: Wash with plenty of water. 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. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
  - Storage: Store locked up.
  - Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None.

3. Composition/information on ingredients

Mixtures
### Composition comments

All concentrations are in percent by weight unless ingredient is a gas.

Raw materials in this product contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica found in this product is < 0.5%. Actual exposures to respirable crystalline silica on a given jobsite must be determined by workplace hygiene testing.

### 4. First-aid measures

#### Inhalation

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

#### Skin contact

Contact with wet or dry product: Wash area with cold running water immediately. Open sores or cuts should be thoroughly flushed and covered with suitable dressings.

#### Eye contact

Dust may irritate eyes: Flush with cold tap water for at least 15 minutes. If irritation persists, seek medical attention immediately.

#### Ingestion

Dust may irritate throat and respiratory system and cause coughing. May cause serious chemical burns to the skin. May cause chemical eye burns. Permanent eye damage including blindness could result.

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

Provide general supportive measures and treat symptomatically.

#### Indication of immediate medical attention and special treatment needed

Ensure that medical personnel are aware of the material(s) involved.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

#### Unsuitable extinguishing media

Not applicable.

#### Specific hazards arising from the chemical

Not a fire hazard.

#### Special protective equipment and precautions for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Fire fighting equipment/instructions

Use standard firefighting procedures and consider the hazards of other involved materials.

#### Specific methods

Cool material exposed to heat with water spray and remove it if no risk is involved.

#### General fire hazards

No unusual fire or explosion hazards noted.

### 6. Accidental release measures

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

See Section 8 of the SDS for Personal Protective Equipment.

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

Vacuum up the spilled material. Vacuums used for this purpose should be equipped with HEPA filters. Containers must be labeled. Collect in approved containers and seal securely. For waste disposal, see Section 13 of the SDS.

#### Environmental precautions

Avoid discharge to drains, sewers, and other water systems.
7. Handling and storage

Precautions for safe handling
Do not get in eyes and avoid contact with skin and clothing. Wear appropriate personal protective
equipment (See Section 8). Avoid inhalation of dust. Minimize dust production when mixing, or
opening and closing bags. Use with adequate dust control and local ventilation. Wear appropriate
NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.
Wash hands thoroughly after handling. Use a non-alkaline soap such as Neutralite Safety Solution
or Mason's Hand Rinse.

Conditions for safe storage,
including any incompatibilities
Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Avoid contact
with acids, water, and moisture.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate (CAS 471-34-1)</td>
<td>PEL</td>
<td>5 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)</td>
<td>PEL</td>
<td>15 mg/m3</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Portland Cement (CAS 65997-15-1)</td>
<td>PEL</td>
<td>5 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Quartz (sand) (CAS 14808-60-7)</td>
<td>PEL</td>
<td>15 mg/m3</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

US. OSHA Table Z-3 (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Cement (CAS 65997-15-1)</td>
<td>TWA</td>
<td>50 mppcf</td>
<td></td>
</tr>
<tr>
<td>Quartz (sand) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.1 mg/m3</td>
<td>Respirable.</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Portland Cement (CAS 65997-15-1)</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Quartz (sand) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.025 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate (CAS 471-34-1)</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Total</td>
</tr>
<tr>
<td>Portland Cement (CAS 65997-15-1)</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Quartz (sand) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Total</td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).
Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear approved safety goggles.

Skin protection
Hand protection
Wear appropriate chemical resistant gloves.

Eye/face protection
Skin protection
Hand protection
Wear long-sleeved shirts, pants and rubber boots.

Respiratory protection
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

Thermal hazards
None.

General hygiene considerations
During work avoid kneeling in fresh mortar or concrete wherever possible. If kneeling is absolutely necessary, then appropriate waterproof personal protective equipment must be worn. Do not eat, drink or smoke when working with cement to avoid contact with skin or mouth. Immediately after working with cement or cement-containing materials, workers should wash or shower. Remove contaminated clothing, footwear, watches, etc, and clean thoroughly before re-use.

9. Physical and chemical properties

Appearance

Physical state
Solid.
Form
Powder.
Color
Gray.
Odor
Odorless.

Odor threshold
Not applicable.
pH
9.7

Melting point/freezing point
Not applicable.
Initial boiling point and boiling range
Not applicable.
Flash point
Not applicable.
Evaporation rate
Not applicable.
Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
Not applicable.
Flammability limit - lower (% temperature
Not applicable.
Flammability limit - upper (%
Not applicable.
Flammability limit - upper (% temperature
Not applicable.
Explosive limit - lower (%
Not applicable.
Explosive limit - lower (% temperature
Not applicable.
Explosive limit - upper (%
Not applicable.
Explosive limit - upper (% temperature
Not applicable.

Vapor pressure
Not applicable.
Vapor density
Not applicable.
Relative density
1.2 approx. (H2O = 1)
Solubility(ies)

Solubility (water)  Insoluble.

Partition coefficient (n-octanol/water)  Not applicable.

Auto-ignition temperature  Not applicable.

Decomposition temperature  > 650 °F (> 343.3 °C)

Viscosity  Not applicable.

Other information

Bulk density  75 lb/ft³

Explosive properties  Not explosive.

Oxidizing properties  Not oxidizing.

VOC  Not applicable.

10. Stability and reactivity

Reactivity  The product is stable and non reactive under normal conditions of storage and transport.

Chemical stability  Material is stable under normal conditions.

Possibility of hazardous reactions  Hazardous polymerization does not occur.

Conditions to avoid  Contact with incompatible materials. Exposure to moisture.

Incompatible materials  Acids. Exposure to water and acids must be supervised because the reactions are vigorous and produce large amounts of heat. Crystalline silica in contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires. Crystalline silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride.

Hazardous decomposition products  Calcium oxides. Sulfur oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation  Inhalation of dusts may cause respiratory irritation. Prolonged and repeated exposure to airborne respirable crystalline silica can cause silicosis and/or lung cancer.

Skin contact  Exposure to dry product may cause drying of the skin and mild irritation, or more significant effects from the aggravation of other conditions. Wet product is caustic (pH ≥ 12) and dermal exposure may cause more severe skin effects, including thickening, cracking or fissuring of the skin. Prolonged exposure can cause severe skin damage in the form of chemical (caustic) burns. Some individuals who are exposed to wet or dry product may exhibit an allergic response, which can result in symptoms ranging from mild rashes to severe skin ulcers.

Eye contact  Exposure to airborne dust may cause immediate or delayed irritation of the eyes. Depending on the level of exposure, effects may range from redness to chemical burns and blindness.

Ingestion  Ingestion may cause irritation and stomach discomfort.

Symptoms related to the physical, chemical and toxicological characteristics  Dust may irritate throat and respiratory system and cause coughing. May cause serious chemical burns to the skin. May cause chemical eye burns. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity  Not expected to be a hazard under normal conditions of intended use.

Components  Species  Test Results

Calcium carbonate (CAS 471-34-1)

<table>
<thead>
<tr>
<th>Test</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute</td>
<td>Oral LD50</td>
<td>Rat 6450 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes skin irritation.</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Causes serious eye damage.</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified but possible due to skin sensitization effect.</td>
<td></td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>Trace amounts of Cr(VI) compounds from Portland Cement may cause allergic skin reaction even after one exposure.</td>
<td></td>
</tr>
</tbody>
</table>
Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

Repeated and prolonged exposures to high levels of respirable crystalline silica may cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz (sand) (CAS 14808-60-7) 1 Carcinogenic to humans.

NTP Report on Carcinogens

Quartz (sand) (CAS 14808-60-7) Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Quartz (sand) (CAS 14808-60-7) Cancer

Reproductive toxicity

Not expected to be a reproductive hazard.

Specific target organ toxicity - single exposure

No data available, but none expected.

Specific target organ toxicity - repeated exposure

Not classified. For detailed information, see section 16.

Aspiration hazard

Due to the physical form of the product it is not an aspiration hazard.

Chronic effects

Prolonged and routine inhalation of high levels of respirable crystalline silica particles can lead to the lung disease known as silicosis. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. May cause eczema-like skin disorders (dermatitis).

12. Ecological information

Ecotoxicity

The product is not expected to be hazardous to the environment. Large amounts of the product may affect the pH-factor in water with possible risk of harmful effects to aquatic organisms.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate (CAS 471-34-1)</td>
<td>Aquatic Acute Fish</td>
<td>LC50 Western mosquitofish (Gambusia affinis) &gt; 56000 mg/l, 96 Hours</td>
</tr>
<tr>
<td>Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)</td>
<td>Aquatic Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas) &gt; 1970 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

Bioaccumulation is not expected.

Mobility in soil

No data available.

Other adverse effects

None expected.

13. Disposal considerations

Disposal instructions

Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.

Local disposal regulations

Dispose of in accordance with local regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations.

Contaminated packaging

Dispose of in accordance with local regulations.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

**US federal regulations**

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.


<table>
<thead>
<tr>
<th>Substance</th>
<th>Hazard effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (sand) (CAS 14808-60-7)</td>
<td>Cancer, lung effects, immune system effects, kidney effects</td>
</tr>
</tbody>
</table>

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Immediate Hazard - Yes
- Delayed Hazard - Yes
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**

Yes

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

- **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**
  Not regulated.
- **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
  Not regulated.
- **Safe Drinking Water Act (SDWA)**
  Not regulated.

**US state regulations**

- **WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

  **US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**
  - Lithium carbonate (CAS 554-13-2)
  - Quartz (sand) (CAS 14808-60-7)

  **US. Massachusetts RTK - Substance List**
  - Calcium carbonate (CAS 471-34-1)
  - Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)
  - Portland Cement (CAS 65997-15-1)
  - Quartz (sand) (CAS 14808-60-7)

  **US. New Jersey Worker and Community Right-to-Know Act**
  - Calcium carbonate (CAS 471-34-1)
  - Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)
  - Portland Cement (CAS 65997-15-1)
  - Quartz (sand) (CAS 14808-60-7)

  **US. Pennsylvania Worker and Community Right-to-Know Law**
  - Calcium carbonate (CAS 471-34-1)
  - Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)
  - Portland Cement (CAS 65997-15-1)
  - Quartz (sand) (CAS 14808-60-7)
US. Rhode Island RTK

Calcium carbonate (CAS 471-34-1)
Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5)
Portland Cement (CAS 65997-15-1)
Quartz (sand) (CAS 14808-60-7)

16. Other information, including date of preparation or last revision

<table>
<thead>
<tr>
<th>Issue date</th>
<th>27-March-2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>-</td>
</tr>
<tr>
<td>Version #</td>
<td>01</td>
</tr>
</tbody>
</table>

Further information

Crystalline silica: Raw materials in this product may contain respirable crystalline silica. Exposures to respirable crystalline silica are not expected during the normal use of this product. However, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.

OSHA's "Preventing Skin Problems from Working with Portland Cement" provides excellent guidance and can be downloaded at: https://www.osha.gov/dsg/guidance/cement-guidance.html

NFPA Ratings:
Health: 2
Flammability: 0
Physical hazard: 0

Hazard Scale: 0 = Minimal  1 = Slight  2 = Moderate  3 = Serious  4 = Severe

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.