SAFETY DATA SHEET

1. Identification

Product identifier: USG Durock™ Brand EcoCap™ HT Self-Leveling Topping

Other means of identification

SDS number: 14000000042
Recommended use: Interior/Exterior 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 skin irritation or rash occurs: Get medical advice/attention. 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. Take off contaminated clothing and wash it 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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (Sand)</td>
<td>14808-60-7</td>
<td>≤ 60</td>
</tr>
</tbody>
</table>
68131-74-8 ≤ 35
Fly ash

26499-65-0 ≤ 10
Calcium Sulfate Hemihydrate
(CAS 10034-76-1)

TRADE SECRET Proprietary ≤ 10

TRADE SECRET Proprietary ≤ 10

TRADE SECRET Proprietary < 0.3

554-13-2 < 0.3
Lithium Carbonate

Impurities

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline silica (Quartz)</td>
<td>14808-60-7</td>
<td>≤ 1</td>
</tr>
</tbody>
</table>

Composition comments
All concentrations are in percent by weight. The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

Raw materials in this product contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica found in this product is < 1%. Exposures to respirable crystalline silica during the normal use of this product must be determined by workplace hygiene testing.

4. First-aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion
Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information
IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

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
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
Use water spray to cool unopened containers.

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

General fire hazards
No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. 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
Minimize dust production when mixing, or opening and closing bags. Do not breathe dust. Do not get in eyes and avoid contact with skin and clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices and use appropriate lifting techniques.

Conditions for safe storage, including any incompatibilities
Store in tightly closed container. Store in a cool, dry, well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impurities</td>
<td></td>
</tr>
<tr>
<td>Crystalline silica (Quartz) (CAS 14808-60-7)</td>
<td>TWA</td>
</tr>
<tr>
<td></td>
<td>0.05 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium Sulfate Hemihydrate (CAS 10034-76-1) (CAS 26499-65-0)</td>
<td>PEL</td>
<td>5 mg/m³ Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000)</td>
<td>Value</td>
<td>Form</td>
</tr>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRADE SECRET</td>
<td>TWA</td>
<td>5 mg/m³ Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³ Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mppcf Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mppcf Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Impurities</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>Crystalline silica (Quartz) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.1 mg/m³ Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4 mppcf Respirable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium Sulfate Hemihydrate (CAS 10034-76-1) (CAS 26499-65-0)</td>
<td>TWA</td>
<td>10 mg/m³ Inhalable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Impurities</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>Crystalline silica (Quartz) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.025 mg/m³ Respirable fraction.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium Sulfate Hemihydrate (CAS 10034-76-1) (CAS 26499-65-0)</td>
<td>TWA</td>
<td>5 mg/m³ Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 mg/m³ Total</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Impurities</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>Crystalline silica (Quartz) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.05 mg/m³ Respirable dust.</td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).

Exposure guidelines
Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.
Appropriate engineering controls

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.

**Skin protection**

**Other**

Normal work clothing (long sleeved shirts and long pants) is recommended.

**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 respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

**Thermal hazards**

None.

General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

**Appearance**

**Physical state**

Solid.

**Form**

Powder.

**Color**

Gray.

**Odor**

Low to no odor.

**Odor threshold**

Not applicable.

**pH**

11.5 - 12.5

**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 - upper (%)**

Not applicable.

**Explosive limit - lower (%)**

Not applicable.

**Explosive limit - upper (%)**

Not applicable.

**Vapor pressure**

Not applicable.

**Vapor density**

Not applicable.

**Relative density**

1.5 - 3.5 (H2O = 1)

**Solubility(ies)**

**Solubility (water)**

Soluble in water.

**Partition coefficient (n-octanol/water)**

Not applicable.

**Auto-ignition temperature**

Not applicable.

**Decomposition temperature**

2600 °F (1426.7 °C)

**Viscosity**

Not applicable.

**Other information**

**Bulk density**

90 - 100 pcf

**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 use, storage and transport.

Chemical stability
Material is stable under normal conditions.

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

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

Incompatible materials
Powerful oxidizers. Water, moisture.

Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation
Inhalation of dusts may cause severe respiratory tract irritation. Prolonged inhalation may be harmful.

Skin contact
Causes skin irritation. May cause an allergic skin reaction.

Eye contact
Causes serious eye damage.

Ingestion
May cause burns to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity
Not available.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization
Not a respiratory sensitizer.

Skin sensitization
May cause an allergic skin reaction.

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

Carcinogenicity
May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

IARC Monographs. Overall Evaluation of Carcinogenicity
Crystalline silica (Quartz) (CAS 14808-60-7) 1 Carcinogenic to humans.

NTP Report on Carcinogens
Crystalline silica (Quartz) (CAS 14808-60-7) Known To Be Human Carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Crystalline silica (Quartz) (CAS 14808-60-7) Cancer

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure
Not classified.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
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.

Further information
None known.

12. Ecological information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
### Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Sulfate Hemihydrate (CAS 10034-76-1) (CAS 26499-65-0)</td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
</tr>
<tr>
<td>Fathead minnow (Pimephales promelas)</td>
<td>&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 known.

### 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**: Not applicable.

### 15. Regulatory information

- **US federal regulations**: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

  - **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**: Not regulated.

  - **CERCLA Hazardous Substance List (40 CFR 302.4)**: Not listed.

  - **SARA 304 Emergency release notification**: Not regulated.

  - **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**:
    - Crystalline silica (Quartz) (CAS 14808-60-7)
      - Cancer
      - Lung effects
      - Immune system effects
      - Kidney effects

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

- **SARA 302 Extremely hazardous substance**: Not listed.

- **SARA 311/312 Hazardous chemical**
  - **Classified hazard categories**: Skin corrosion or irritation, Serious eye damage or eye irritation, Respiratory or skin sensitization, Carcinogenicity

- **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

US. Massachusetts RTK - Substance List
Calcium Sulfate Hemihydrate (CAS 10034-76-1) (CAS 26499-65-0)
Crystalline silica (Quartz) (CAS 14808-60-7)
Lithium Carbonate (CAS 554-13-2)

US. New Jersey Worker and Community Right-to-Know Act
Calcium Sulfate Hemihydrate (CAS 10034-76-1) (CAS 26499-65-0)
Crystalline silica (Quartz) (CAS 14808-60-7)
Lithium Carbonate (CAS 554-13-2)

US. Pennsylvania Worker and Community Right-to-Know Law
Calcium Sulfate Hemihydrate (CAS 10034-76-1) (CAS 26499-65-0)
Crystalline silica (Quartz) (CAS 14808-60-7)

US. Rhode Island RTK
Crystalline silica (Quartz) (CAS 14808-60-7)
TRADE SECRET (CAS Proprietary)

California Proposition 65

**WARNING:** This product can expose you to chemicals including Crystalline silica (Quartz), which is known to the State of California to cause cancer, and Lithium Carbonate, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance
Crystalline silica (Quartz) (CAS 14808-60-7) Listed: October 1, 1988

California Proposition 65 - CRT: Listed date/Developmental toxin
Lithium Carbonate (CAS 554-13-2) Listed: January 1, 1991

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
Crystalline silica (Quartz) (CAS 14808-60-7)
Lithium Carbonate (CAS 554-13-2)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date 05-November-2018
Revision date -
Version # 01
Crystalline silica: Raw materials in this product contain respirable crystalline silica as an impurity. 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.

Calcium sulfate hemihydrate: Is classified as a hazardous substance but is generally considered a safe material for routine use. When Calcium sulfate hemihydrate is used responsibly it is not considered as a dangerous material. However, when mixed with water this product can become very hot. DO NOT attempt to make a cast enclosing any part of the body. Encasing any body part can cause serious burns and even amputation of the encased body part.

At high doses lithium carbonate has been reported to cause developmental effects in animals by ingestion and adverse effects to kidneys and the central nervous system. Ingestion of lithium carbonate is unlikely in occupational settings.

NFPA Ratings:
Health: 2
Flammability: 0
Physical hazard: 0
NFPA Hazard Scale: 0 = Minimal  1 = Slight  2 = Moderate  3 = Serious  4 = Severe