1. Identification

Product identifier: USG Durock™ Brand Liquid Waterproofing and Crack Isolation Membrane

Other means of identification:
- SDS number: 14000020008
- Synonyms: Aqueous latex paint

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:
- Sensitization, skin: Category 1

OSHA defined hazards: Not classified.

Label elements:

Signal word: Warning

Hazard statement: May cause an allergic skin reaction.

Precautionary statement:
- Prevention: Avoid breathing mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
- Response: If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
- Storage: Store as indicated in Section 7.
- 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>Ethylene glycol</td>
<td>107-21-1</td>
<td>&lt; 2</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>5-Chloro-2-methyl-2H-isothiazol</td>
<td>26172-55-4</td>
<td>&lt; 0.05</td>
</tr>
</tbody>
</table>

Composition comments: This product contains titanium dioxide. Since this product is a liquid slurry, the risk of inhaling particles will not occur during the recommended use of this product.
4. First-aid measures

**Inhalation**
Exposure may cause temporary irritation to eyes, skin, nose, throat, and upper respiratory tract. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

**Skin contact**
Rinse area with plenty of water. Get medical attention if irritation develops or persists.

**Eye contact**
Do not rub eyes. Flush thoroughly with water. If burning, redness, itching, pain, or other symptoms develop or persist get medical attention.

**Ingestion**
Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed**
Under normal conditions of intended use, this material does not pose a risk to health.

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically.

**General information**
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.

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**
Prevent entry into confined areas or water systems. Dilute with water and mop or wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Dispose of waste according to local regulations.

**Environmental precautions**
Avoid discharge to drains, sewers, and other water systems.

7. Handling and storage

**Precautions for safe handling**
Minimize exposure to mists. In case of insufficient ventilation, wear suitable respiratory equipment. Observe good industrial hygiene practices. Use proper lifting techniques.

**Conditions for safe storage, including any incompatibilities**
Store in a cool, dry, well-ventilated place. Store in a closed container away from incompatible materials. Protect from moisture. Keep away from heat. Do not use if material has spoiled, i.e., there is a moldy appearance or an unpleasant odor. Keep containers closed when not in use.

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>Titanium dioxide (CAS 13463-67-7)</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>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mppcf</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mppcf</td>
<td>Respirable fraction.</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>Ethylene glycol (CAS 107-21-1)</td>
<td>Ceiling</td>
<td>100 mg/m³</td>
<td>Aerosol.</td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

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

**Appropriate engineering controls**
Provide sufficient ventilation for operations causing mist 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**
    It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.
  - **Skin protection**
  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 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. Observe any medical surveillance requirements.

- **Thermal hazards**
  None.

- **General hygiene considerations**
  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. Observe any medical surveillance requirements.

## 9. Physical and chemical properties

**Appearance**
- **Physical state**
  Liquid.
- **Form**
  Aqueous latex paint.
- **Color**
  Blue.
- **Odor**
  Mild. Acrylic.
- **Odor threshold**
  Not applicable.
- **pH**
  8.5 - 9
- **Melting point/freezing point**
  32 °F (0 °C)
- **Initial boiling point and boiling range**
  212 °F (100 °C)
- **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 - upper (%)**
  Not applicable.
- **Vapor pressure**
  Not applicable.
Vapor density: Not applicable.
Relative density: 1.3 +/- 0.1 (H2O = 1)
Solubility:
- Solubility (water): Miscible.
Partition coefficient:
- (n-octanol/water): Not applicable.
Auto-ignition temperature: Not applicable.
Decomposition temperature: Not applicable.
Viscosity: 95 - 105 KU (Krebs Units)
Other information:
- Bulk density: 85 lb/ft³
- VOC: 48 g/l

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: Hazardous polymerization does not occur.
Conditions to avoid: None known.
Incompatible materials: None known.
Hazardous decomposition products: Above 1472°F (800°C) limestone (CaCO₃) can decompose to lime (CaO) and release carbon dioxide (CO₂).

11. Toxicological information
Information on likely routes of exposure:
- Inhalation: Inhalation of mist may cause irritation to throat and or nasal passages.
- Skin contact: The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.
- Eye contact: May cause eye irritation.
- Ingestion: May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics: Irritation of eyes and mucous membranes. Skin irritation.

Information on toxicological effects:
Acute toxicity: Neither inhalation nor skin contact contribute to acute toxicity of the substance or mixture. However, may cause discomfort if swallowed.

Components | Species | Test Results
--- | --- | ---
Ethylene glycol (CAS 107-21-1) | Acute | 9530 mg/kg
- Dermal LD50 | Rabbit | 9530 mg/kg
Titanium dioxide (CAS 13463-67-7) | Acute | 3.43 mg/l, 4 Hours
- Inhalation LC50 | Rat | 3.43 mg/l, 4 Hours
- Oral LD50 | Rat | > 5000 mg/kg
Skin corrosion/irritation: Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization: Not classified.
Skin sensitization
The product contains a small amount of sensitizing substance which may provoke an allergic
reaction among sensitive individuals.

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

Carcinogenicity
This material is not classified as a carcinogen by IARC, ACGIH, NTP or OSHA. Titanium Dioxide
is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on
inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental
animals.

IARC Monographs. Overall Evaluation of Carcinogenicity
Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

NTP Report on Carcinogens
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

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
No data available, but none expected.

Aspiration hazard
Not an aspiration hazard.

Further information
Prolonged exposure may cause chronic effects.

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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol (CAS 107-21-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Ceriodaphnia dubia</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Oncorhynchus mykiss</td>
</tr>
<tr>
<td>Chronic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>NOEC</td>
<td>Ceriodaphnia dubia</td>
</tr>
<tr>
<td>Fish</td>
<td>NOEC</td>
<td>Oncorhynchus mykiss</td>
</tr>
</tbody>
</table>

Persistence and degradability
No data available.

Bioaccumulative potential
Bioaccumulation is not expected.

Partition coefficient n-octanol / water (log Kow)
Ethylene glycol (CAS 107-21-1) -1.36

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.
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

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 of this product are in compliance with the listing Requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Ethylene glycol (CAS 107-21-1) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - No
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)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol</td>
<td>107-21-1</td>
<td>&lt; 2</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Ethylene glycol (CAS 107-21-1)

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 This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List
Ethylene glycol (CAS 107-21-1)
Titanium dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act
Ethylene glycol (CAS 107-21-1)
Titanium dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law
Ethylene glycol (CAS 107-21-1)
Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK
Ethylene glycol (CAS 107-21-1)
Titanium dioxide (CAS 13463-67-7)

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

Issue date 08-August-2016
Revision date 09-March-2017
Version # 04
Further information

Ethylene glycol: This product contains a small amount of ethylene glycol, which has been shown to cause kidney damage in animal studies via repeated oral exposure (ingestion). Ingested ethylene glycol is also considered a developmental toxin by the State of California. However, such exposures are not expected to occur during normal use of this product. If ingested, call a poison center or doctor if you feel unwell.

Titanium dioxide: In lifetime inhalation studies of experimental rats, airborne nano-sized (15-40 nanometer particle size range) particles caused lung tissue overload, chronic inflammation and subsequent tumor formation. Because of these study results, titanium dioxide was classified by IARC as a 2B (possibly carcinogenic to humans). However, other laboratory animals such as mice and hamsters did not develop lung tumors under similar testing conditions. Furthermore, results of two major human epidemiology studies among titanium dioxide workers in the US and in Europe did not demonstrate an elevated lung cancer risk, and did not suggest an association between occupational exposure to titanium dioxide and risk for cancer. The titanium dioxide contained in this product is embedded, and generation of airborne nano-sized titanium dioxide particles is not expected.

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

NFPA ratings

List of abbreviations


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.