SAFETY DATA SHEET

1. Identification

Product identifier: Durock™ UltraLight Foam Tile Backer Board
Other means of identification
SDS number: 14000040003
Recommended use: This product is intended for use as a substrate to attach commercial and residential tile in shower and bathtub.
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: 479-273-2924

2. Hazard(s) identification

Physical hazards: Not classified.

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

Environmental hazards
Hazardous to the aquatic environment, acute hazard: Category 3
Hazardous to the aquatic environment, long-term hazard: Category 3

OSHA defined hazards: Not classified.

Label elements

Signal word: Warning
Hazard statement: Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.
Precautionary statement
Prevention: Avoid breathing dust. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves.
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. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage: Store away from incompatible materials.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Mixtures
### Chemical name

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene, oligomers</td>
<td>9003-53-6</td>
<td>&lt; 90</td>
</tr>
<tr>
<td>Fatty acids, tall-oil, reaction products with tetraethylenepentamine</td>
<td>68953-36-6</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Reaction product: bisphenol-A-(epichlorohydrin)</td>
<td>25068-38-6</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>1-Methyl-2-pyrrolidinone</td>
<td>872-50-4</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Tetraethylene pentamine</td>
<td>112-57-2</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Butyl glycidyl ether</td>
<td>2426-08-6</td>
<td>&lt; 0.5</td>
</tr>
</tbody>
</table>

### Composition comments

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

### 4. First-aid measures

#### Inhalation

Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation). Get immediate medical attention.

#### Skin contact

Wash off immediately with soap and plenty of water.

#### Eye contact

Immediately flush eye(s) with plenty of water.

#### Ingestion

If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.

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

May cause respiratory tract irritation. May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Use foam, dry chemical, carbon dioxide, or water.

#### Unsuitable extinguishing media

Not available.

#### Specific hazards arising from the chemical

Emits toxic fumes (carbon monoxide) under fire conditions.

#### 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.

### 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

No specific clean-up procedure noted. 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

Wear proper protective equipment. Avoid contact with eyes. Wash hands after handling this material. Follow all applicable local regulations for handling and storage.

#### Conditions for safe storage, including any incompatibilities

None.
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>
</tr>
</thead>
<tbody>
<tr>
<td>Butyl glycidyl ether (CAS 2426-08-6)</td>
<td>PEL</td>
<td>270 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 ppm</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butyl glycidyl ether (CAS 2426-08-6)</td>
<td>TWA</td>
<td>3 ppm</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butyl glycidyl ether (CAS 2426-08-6)</td>
<td>Ceiling</td>
<td>30 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5.6 ppm</td>
</tr>
</tbody>
</table>

US. Workplace Environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidinone (CAS 872-50-4)</td>
<td>TWA</td>
<td>40 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 ppm</td>
<td></td>
</tr>
<tr>
<td>Tetraethylene pentamine (CAS 112-57-2)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Aerosol.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ppm</td>
<td>Aerosol.</td>
</tr>
</tbody>
</table>

Biological limit values

ACGIH Biological Exposure Indices

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidinone (CAS 872-50-4)</td>
<td>100 mg/l</td>
<td>5-Hydroxy-N-methyl-2-pyrrolidone</td>
<td>Urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

Exposure guidelines

US ACGIH Threshold Limit Values: Skin designation
Butyl glycidyl ether (CAS 2426-08-6) Can be absorbed through the skin.

US WEEL Guides: Skin designation
1-Methyl-2-pyrrolidinone (CAS 872-50-4) Can be absorbed through the skin.
Tetraethylene pentamine (CAS 112-57-2) Can be absorbed through the skin.

Appropriate engineering controls
If cutting with a utility knife, little to no dust is created. If cutting with a saw blade, or sanding this product may create large amount of dust. Dust can be irritating to the eyes, skin, and respiratory system.

Individual protection measures, such as personal protective equipment

Eye/face protection
Recommend eye protection using safety glasses or goggles when cutting boards.

Skin protection
Wearing gloves is recommended.

Hand protection
Suitable protective clothing to prevent skin contact.

Other

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.
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 separately from regular wash. Observe any medical surveillance requirements.

9. Physical and chemical properties

Appearance
- Physical state: Solid.
- Form: Board.
- Color: Gray.
- Odor: No odor.
- Odor threshold: Not applicable.
- pH: Not applicable.
- 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: Not applicable.
Solubility(ies)
- Solubility (water): Not applicable.
Partition coefficient (n-octanol/water): Not applicable.
Auto-ignition temperature: Not applicable.
Decomposition temperature: Not applicable.
Viscosity: Not applicable.
Other information
- Bulk density: Not applicable.
- VOC (Weight %): (See Section 16 for further detail)

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.
Incompatible materials: None.
11. Toxicological information

Information on likely routes of exposure

**Inhalation**  
May cause respiratory tract irritation.

**Skin contact**  
May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Eye contact**  
May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Ingestion**  
May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Symptoms related to the physical, chemical and toxicological characteristics  
May cause respiratory tract irritation. May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Information on toxicological effects

**Acute toxicity**  
Low hazard.

### Components

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidinone (CAS 872-50-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Dermal</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>8000 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 5.1 mg/l</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>3914 mg/kg</td>
</tr>
<tr>
<td>Butyl glycidyl ether (CAS 2426-08-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Oral</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>1660 mg/kg</td>
</tr>
<tr>
<td>Fatty acids, tall-oil, reaction products with tetraethylenepentamine (CAS 68953-36-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Oral</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Reaction product: bisphenol-A-(epichlorohydrin) (CAS 25068-38-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Dermal</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Tetraethylene pentamine (CAS 112-57-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Dermal</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>0.66 g/kg</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>2.1 g/kg</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**  
Causes skin irritation.

**Serious eye damage/eye irritation**  
Causes serious eye irritation.

**Respiratory or skin sensitization**

**ACGIH Sensitization**

*Butyl glycidyl ether (CAS 2426-08-6)*  
Dermal sensitization: No information is available.
Skin sensitization  May cause allergic skin reaction.
Germ cell mutagenicity No information is available.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity
Styrene, oligomers (CAS 9003-53-6)  Not classifiable as to carcinogenicity to humans.

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

Reproductive toxicity Not expected to be a reproductive hazard.
Specific target organ toxicity - single exposure No information is available.
Specific target organ toxicity - repeated exposure No information is available.
Aspiration hazard No information is available.
Further information There is no toxicological information available for the product mixture.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidinone (CAS 872-50-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae EC50</td>
<td>Scenedesmus subspicatus</td>
<td>&gt; 500 mg/l, 72 hours</td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Daphnia magna</td>
<td>&gt; 1000 mg/l, 24 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Oncorhynchus mykiss</td>
<td>&gt; 500 mg/l, 96 hours</td>
</tr>
<tr>
<td>Reaction product: bisphenol-A-(epichlorohydrin) (CAS 25068-38-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Salmo gairdneri</td>
<td>1.5 mg/l, 96 hours</td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Daphnia magna</td>
<td>2.7 mg/l, 48 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability No information is available.
Bioaccumulative potential No information is available.

Partition coefficient octanol / water (log Kow)
<table>
<thead>
<tr>
<th>Compounds</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidinone (CAS 872-50-4)</td>
<td>-0.54</td>
</tr>
<tr>
<td>Butyl glycidyl ether (CAS 2426-08-6)</td>
<td>0.63</td>
</tr>
<tr>
<td>Tetraethylene pentamine (CAS 112-57-2)</td>
<td>1.503</td>
</tr>
</tbody>
</table>

Mobility in soil No information is available.
Other adverse effects No information is available.

13. Disposal considerations

Disposal instructions Follow the waste disposal requirements of your country, state, or local authorities. Contaminated packaging material should be disposed of as stated above for residues and unused product.
Hazardous waste code Not regulated.
Waste from residues / unused products Not available.
Contaminated packaging Not available.

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 available.
15. Regulatory information

US federal regulations

All components are on the U.S. EPA TSCA Inventory List.

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

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

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)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methyl-2-pyrrolidinone</td>
<td>872-50-4</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

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
1-Methyl-2-pyrrolidinone (CAS 872-50-4)
Butyl glycidyl ether (CAS 2426-08-6)
Tetraethylene pentamine (CAS 112-57-2)

US. New Jersey Worker and Community Right-to-Know Act
1-Methyl-2-pyrrolidinone (CAS 872-50-4)
Butyl glycidyl ether (CAS 2426-08-6)
Tetraethylene pentamine (CAS 112-57-2)

US. Pennsylvania Worker and Community Right-to-Know Law
1-Methyl-2-pyrrolidinone (CAS 872-50-4)
Butyl glycidyl ether (CAS 2426-08-6)
Tetraethylene pentamine (CAS 112-57-2)

US. Rhode Island RTK
1-Methyl-2-pyrrolidinone (CAS 872-50-4)

US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
1-Methyl-2-pyrrolidinone (CAS 872-50-4)
Reaction product: bisphenol-A-(epichlorohydrin) (CAS 25068-38-6)

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

Issue date 06-May-2015
Revision date 02-June-2015
Version # 02
Further information
VOC Emissions: USG Corporation certifies this product has low VOC and formaldehyde emissions, within the acceptance criteria defined by the California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 (Emission testing method for CA Specification 01350). Predicted total VOC concentration is ≤ 0.5 mg/m³.

NFPA Ratings:
Health: 1
Flammability: 0
Physical hazard: 0

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.