



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Durock™ UltraLight Foam Tile Backer Board</b>
<b>Other means of identification</b>	
<b>SDS number</b>	14000040003
<b>Recommended use</b>	This product is intended for use as a substrate to attach commercial and residential tile in shower and bathtub.
<b>Recommended restrictions</b>	Use in accordance with manufacturer's recommendations.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Company name</b>	United States Gypsum Company
<b>Address</b>	550 West Adams Street Chicago, Illinois 60661-3637
<b>Telephone</b>	1-800-874-4968
<b>Website</b>	www.usg.com
<b>Emergency phone number</b>	479-273-2924

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 2
	Reproductive toxicity	Effects on or via lactation
	Specific target organ toxicity, repeated exposure	Category 2 (Kidney)
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



<b>Signal word</b>	Warning
<b>Hazard statement</b>	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children. May cause damage to organs (Kidney) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.
<b>Precautionary statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

<b>Response</b>	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 exposed or concerned: Get medical advice/attention. 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. Collect spillage.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	CAS number	%
Styrene, oligomers	9003-53-6	< 90
Fatty acids, tall-oil, reaction products with tetraethylenepentamine	68953-36-6	< 5
Reaction product: bisphenol-A-(epichlorohydrin)	25068-38-6	< 5
1-Methyl-2-pyrrolidinone	872-50-4	1 - < 3
1,2,5,6,9,10-Hexabromocyclodecane	3194-55-6	< 1
Tetraethylene pentamine	112-57-2	< 1
Butyl glycidyl ether	2426-08-6	< 0.5

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

### 4. First-aid measures

<b>Inhalation</b>	Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation). Get immediate medical attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water.
<b>Eye contact</b>	Immediately flush eye(s) with plenty of water.
<b>Ingestion</b>	If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	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.
<b>Indication of immediate medical attention and special treatment needed</b>	Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use foam, dry chemical, carbon dioxide, or water.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	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.
<b>Specific methods</b>	Cool material exposed to heat with water spray and remove it if no risk is involved.

## 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)

Components	Type	Value
Butyl glycidyl ether (CAS 2426-08-6)	PEL	270 mg/m <sup>3</sup>
		50 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Butyl glycidyl ether (CAS 2426-08-6)	TWA	3 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butyl glycidyl ether (CAS 2426-08-6)	Ceiling	30 mg/m <sup>3</sup>
		5.6 ppm

#### US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value	Form
1-Methyl-2-pyrrolidinone (CAS 872-50-4)	TWA	40 mg/m <sup>3</sup>	
		10 ppm	
Tetraethylene pentamine (CAS 112-57-2)	TWA	5 mg/m <sup>3</sup>	Aerosol.
		1 ppm	Aerosol.

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
1-Methyl-2-pyrrolidinone (CAS 872-50-4)	100 mg/l	5-Hydroxy-N-methyl-2-pyrrolidinone	Urine	*

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

### Exposure guidelines

#### US - California OELs: Skin designation

1-Methyl-2-pyrrolidinone (CAS 872-50-4) Can be absorbed through the skin.

#### 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**

**Hand protection** Wearing gloves is recommended.

**Other**

Suitable protective clothing to prevent skin contact.

**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**

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.

<b>Partition coefficient (n-octanol/water)</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not applicable.
<b>Viscosity</b>	Not applicable.
<b>Other information</b>	
<b>Bulk density</b>	Not applicable.
<b>VOC (Weight %)</b>	(See Section 16 for further detail)

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non reactive under normal conditions of storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	None.
<b>Hazardous decomposition products</b>	None.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Skin contact</b>	May cause skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
<b>Eye contact</b>	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
<b>Ingestion</b>	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	Species	Test Results
1-Methyl-2-pyrrolidinone (CAS 872-50-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 5000 mg/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	> 5.1 mg/l, 4 Hours
<i>Oral</i>		
LD50	Rat	4150 mg/kg
Butyl glycidyl ether (CAS 2426-08-6)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rabbit	1660 mg/kg
Fatty acids, tall-oil, reaction products with tetraethylenepentamine (CAS 68953-36-6)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg

Components	Species	Test Results
Reaction product: bisphenol-A-(epichlorohydrin) (CAS 25068-38-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
Tetraethylene pentamine (CAS 112-57-2)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	0.66 g/kg
<i>Oral</i>		
LD50	Rat	2.1 g/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory or skin sensitization</b>		
<b>ACGIH Sensitization</b>		
Butyl glycidyl ether (CAS 2426-08-6)	Dermal sensitization	
<b>Respiratory sensitization</b>	No information is available.	
<b>Skin sensitization</b>	May cause allergic skin reaction.	
<b>Germ cell mutagenicity</b>	No information is available.	
<b>Carcinogenicity</b>		
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Styrene, oligomers (CAS 9003-53-6)	3 Not classifiable as to carcinogenicity to humans.	
<b>NTP Report on Carcinogens</b>		
Not available.		
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		
Not listed.		
<b>Reproductive toxicity</b>	Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children.	
<b>Specific target organ toxicity - single exposure</b>	No information is available.	
<b>Specific target organ toxicity - repeated exposure</b>	No information is available.	
<b>Aspiration hazard</b>	No information is available.	
<b>Further information</b>	There is no toxicological information available for the product mixture.	

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
1-Methyl-2-pyrrolidinone (CAS 872-50-4)		
<i>Acute</i>		
LC50	Palaemonetes vulgaris	1107 mg/l, 96 hours
<b>Aquatic</b>		
Algae	Scenedesmus subspicatus	> 500 mg/l, 72 hours
Crustacea	Daphnia magna	> 1000 mg/l, 24 hours
Fish	Oncorhynchus mykiss	> 500 mg/l, 96 hours
<i>Chronic</i>		
Crustacea	Daphnia magna	25 mg/l, 21 days
Reaction product: bisphenol-A-(epichlorohydrin) (CAS 25068-38-6)		
Fish	Salmo gairdneri	1.5 mg/l, 96 hours

Components	Species	Test Results
<b>Aquatic</b>		
Crustacea	EC50 Daphnia magna	2.7 mg/l, 48 hours
<b>Persistence and degradability</b>	No information is available.	
<b>Bioaccumulative potential</b>	No information is available.	
<b>Partition coefficient n-octanol / water (log Kow)</b>		
1-Methyl-2-pyrrolidinone (CAS 872-50-4)		-0.54
Butyl glycidyl ether (CAS 2426-08-6)		0.63
Tetraethylene pentamine (CAS 112-57-2)		1.503
<b>Mobility in soil</b>	No information is available.	
<b>Other adverse effects</b>	No information is available.	

### 13. Disposal considerations

<b>Disposal instructions</b>	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.
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Not available.
<b>Contaminated packaging</b>	Not available.

### 14. Transport information

#### DOT

<b>UN number</b>	UN3077
<b>UN proper shipping name</b>	Environmentally hazardous substances, solid, n.o.s. (1,2,5,6,9,10-Hexabromocyclodecane)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	9
<b>Packing group</b>	III
<b>Special precautions for user</b>	Not available.
<b>Special provisions</b>	8, 146, 335, A112, B54, IB8, IP3, N20, T1, TP33
<b>Packaging exceptions</b>	155
<b>Packaging non bulk</b>	213
<b>Packaging bulk</b>	240

#### IATA

<b>UN number</b>	UN3077
<b>UN proper shipping name</b>	Environmentally hazardous substance, solid, n.o.s. (1,2,5,6,9,10-Hexabromocyclodecane)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	9L
<b>Special precautions for user</b>	Not available.

#### IMDG

<b>UN number</b>	UN3077
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1,2,5,6,9,10-HEXABROMOCYCLODECANE)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-A, S-F
<b>Special precautions for user</b>	Not available.

**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)**

1,2,5,6,9,10-Hexabromocyclodecane (CAS 3194-55-6) 1.0 % One-Time Export Notification only.

**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)**

Chemical name	CAS number	% by wt.
1-Methyl-2-pyrrolidinone	872-50-4	1 - < 3

**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** 27-July-2015

**Version #** 03



**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  $\leq 0.5$  mg/m<sup>3</sup>.

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

**NFPA ratings****List of abbreviations**

NFPA: National Fire Protection Association.

**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.