SECTION 1: Kit identification

1.1 Product identifier

Product name  CB-G EG

1.2 Details of the supplier of the Safety information for 2-Component-products

Hilti, Inc.
Legacy Tower, Suite 1000
7250 Dallas Parkway
TX 75024 Plano - USA
T +1 9724035800
1-800-879-8000 toll free - F +1 918 254 0522

SECTION 2: General information

Storage  Storage temperature : 5 - 25 °C

A SDS for each of these components is included. Please do not separate any component SDS from this cover page

This Kit should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used

SECTION 3: Kit contents

Classification of the Product

GHS-US classification

- Acute Tox. 4 (Dermal)  H312 - Harmful in contact with skin.
- Acute Tox. 3 (Inhalation)  H331 - Toxic if inhaled.
- Skin Corr. 1A  H314 - Causes severe skin burns and eye damage.
- Eye Dam. 1  H318 - Causes serious eye damage.
- Eye Irrit. 2B  H320 - Causes eye irritation
- Skin Sens. 1  H317 - May cause an allergic skin reaction.
- Muta. 2  H341 - Suspected of causing genetic defects.
- STOT RE 1  H372 - Causes damage to organs through prolonged or repeated exposure.
- STOT RE 2  H373 - May cause damage to organs through prolonged or repeated exposure.

Label elements

GHS-US labelling
CB-G EG
Safety information for 3-Component-products

Hazard pictograms (GHS-US)

Signal word (GHS-US)   Danger
Hazardous ingredients  Epoxy resin, Amines
Hazard statements (GHS-US)  H312 - Harmful in contact with skin.
                           H314 - Causes severe skin burns and eye damage.
                           H317 - May cause an allergic skin reaction.
                           H331 - Toxic if inhaled.
                           H341 - Suspected of causing genetic defects.
                           H350 - May cause cancer.
                           H372 - Causes damage to organs through prolonged or repeated exposure.

P280 - Wear Gloves, Safety glasses, Protective clothing.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302+P352 - IF ON SKIN: Wash with plenty of water/…
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.

Additional information
3-component plastic container kit, contains:
component A: epoxy resin
component B: amine hardener
component C: aggregate

<table>
<thead>
<tr>
<th>Name</th>
<th>General description</th>
<th>Quantity</th>
<th>Unit</th>
<th>GHS-US classification</th>
</tr>
</thead>
</table>
| CB-G EG, A   |                     | 1        | pcs (pieces) | Skin Irrit. 2, H315
|              |                     |          |         | Skin Sens. 1, H317                     |
| CB-G EG, B   |                     | 1        | pcs (pieces) | Acute Tox. 4 (Oral), H302
|              |                     |          |         | Acute Tox. 4 (Dermal), H312             |
|              |                     |          |         | Acute Tox. 3 (Inhalation:vapour), H331  |
|              |                     |          |         | Skin Corr. 1B, H314                     |
|              |                     |          |         | Skin Sens. 1, H317                     |
|              |                     |          |         | Mut. 2, H341                           |
|              |                     |          |         | STOT RE 2, H373                        |
| CB-G EG, C   |                     | 1        | pcs (pieces) | Eye Irrit. 2B, H320
|              |                     |          |         | Carc. 1A, H350                         |
|              |                     |          |         | STOT RE 1, H372                        |

SECTION 4: General advice

General advice  For professional users only

SECTION 5: Safe handling advice

General measures  Spilled material may present a slipping hazard
Environmental precautions   Prevent entry to sewers and public waters
                           Notify authorities if liquid enters sewers or public waters
                           Avoid release to the environment.
Storage conditions  Protect from sunlight. Store in a well-ventilated place.
Technical measures  Comply with applicable regulations
Precautions for safe handling  Wear personal protective equipment
                           Avoid contact with skin and eyes
                           Wash hands and other exposed areas with mild soap and water before eating, drinking or
CB-G EG
Safety information for 3-Component-products

Methods for cleaning up
This material and its container must be disposed of in a safe way, and as per local legislation
Mechanically recover the product
On land, sweep or shovel into suitable containers
Store away from other materials.

For containment
Collect spillage.

Incompatible materials
Sources of ignition
Direct sunlight

Incompatible products
Strong bases
Strong acids

SECTION 6: First aid measures

First-aid measures after eye contact
Get immediate medical advice/attention.
Immediately rinse with water for a prolonged period while holding the eyelids wide open
Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion
Drink plenty of water
Do not induce vomiting
Rinse mouth.
Immediately call a POISON CENTER/doctor

First-aid measures after inhalation
Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact
Wash with plenty of water/…
Take off immediately all contaminated clothing.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get immediate medical advice/attention.

First-aid measures general
Never give anything by mouth to an unconscious person
If you feel unwell, seek medical advice (show the label where possible)

Symptoms/effects
Causes severe skin burns and eye damage.

Symptoms/effects after eye contact
Causes serious eye damage.

Symptoms/effects after inhalation
Danger of serious damage to health by prolonged exposure through inhalation
May cause an allergic skin reaction.

Symptoms/effects after skin contact
Causes severe burns

Other medical advice or treatment
Treat symptomatically

SECTION 7: Fire fighting measures

Firefighting instructions
Use water spray or fog for cooling exposed containers
Exercise caution when fighting any chemical fire
Prevent fire fighting water from entering the environment

Protection during firefighting
Self-contained breathing apparatus
Do not enter fire area without proper protective equipment, including respiratory protection

Hazardous decomposition products in case of fire
Thermal decomposition generates:
Carbon dioxide
Carbon monoxide

SECTION 8: Other information
No data available
CB-G EG, C

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

<table>
<thead>
<tr>
<th>Product form</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CB-G EG, C</td>
</tr>
</tbody>
</table>

1.2. Relevant identified uses of the substance or mixture and uses advised against

| Use of the substance/mixture | Epoxy grout |

1.3. Details of the supplier of the safety data sheet

Hilti, Inc.
Legacy Tower, Suite 1000
7250 Dallas Parkway
TX 75024 Plano - USA
T +1 9724035800
1-800-879-8000 toll free - F +1 918 254 0522

1.4. Emergency telephone number

Emergency number

Chem-Trec
Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)
Tel.: 703 527 3887 (Other countries)
+1 918 8723000
1-800-879-8000 toll free

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

- Eye Irrit. 2B H320 - Causes eye irritation
- Carc. 1A H350 - May cause cancer.
- STOT RE 1 H372 - Causes damage to organs through prolonged or repeated exposure.

Full text of H statements: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

Signal word (GHS-US) Danger
CB-G EG, C
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hazard statements (GHS-US)  
H320 - Causes eye irritation  
H350 - May cause cancer.  
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS-US)  
P260 - Do not breathe dust.  
P280 - Wear eye protection, protective clothing, protective gloves.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P308+P313 - If exposed or concerned: Get medical advice/attention.

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances
Name  CB-G EG, C

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
</table>
| Quartz (SiO2) | (CAS-No.) 14806-60-7 | 100 | Carc. 1A, H350  
Skin Irrit 2B, H320  
STOT RE1, H372 |

Full text of H-statements: see section 16

3.2. Mixtures
Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures
Based on available data, the classification criteria are not met.  

4.2. Most important symptoms and effects (acute and delayed)
Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media  Do not use a heavy water stream.
5.2. Special hazards arising from the substance or mixture
Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters
Firefighting instructions
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting
Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures
Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment
Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”. Equip cleanup crew with proper protection.

Emergency procedures
Ventilate area.

6.2. Environmental precautions
Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Other information
Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Precautions for safe handling
Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures
Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions
Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products
Strong bases. Strong acids.

Incompatible materials
Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
8.2. Exposure controls

Appropriate engineering controls  Ensure good ventilation of the work station.

Personal protective equipment  Avoid all unnecessary exposure.

Hand protection  Protective gloves.

Eye protection  Chemical goggles or safety glasses.

Skin and body protection  Wear suitable protective clothing.

Respiratory protection  Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Dust production: dust mask with filter type P2.

Environmental exposure controls  Avoid release to the environment.

Other information  Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Light grey</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt; 1832 °F</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 1832 °F</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Product is not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>2.65 g/cm³</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

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

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
No additional information available.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Base d on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Quartz (SiO2) (14808-60-7)</td>
<td>May cause cancer.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IARC group</th>
<th>1 - Carcinogenic to humans</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Reproductive toxicity</th>
<th>Not classified</th>
<th>Based on available data, the classification criteria are not met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Causes damage to organs through prolonged or repeated exposure.</td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>Potential adverse human health effects and symptoms</td>
<td>Based on available data, the classification criteria are not met.</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
12.2. Persistence and degradability
CB-G EG, C
Persistence and degradability Not established.

12.3. Bioaccumulative potential
CB-G EG, C
Bioaccumulative potential Not established.

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on the global warming No known effects from this product.
Other information Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information
In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
</tr>
<tr>
<td></td>
<td>Marine pollutant : No</td>
<td>Marine pollutant : No</td>
<td>Marine pollutant : No</td>
</tr>
</tbody>
</table>

No supplementary information available

14.6. Special precautions for user
- Overland transport

- Transport by sea
No data available
- Air transport
No data available

- Rail transport
Carriage prohibited (RID) No

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

SECTION 15: Regulatory information

15.1. US Federal regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA
Quartz (SiO2) (14808-60-7)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

National regulations
Quartz (SiO2) (14808-60-7)
Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

<table>
<thead>
<tr>
<th>CB-G EG, C</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>U.S. - California - Proposition 65 - Developmental Toxicity</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</td>
<td>No</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Revision date 05/09/2018

Other information None.
Full text of H-statements:

<table>
<thead>
<tr>
<th>H</th>
<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>H320</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer.</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure.</td>
</tr>
</tbody>
</table>

NFPA health hazard 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating

Health 2 Moderate Hazard - Temporary or minor injury may occur

Flammability 0 Minimal Hazard - Materials that will not burn

Physical 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Indication of changes:

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Layout Change</td>
</tr>
</tbody>
</table>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
SECTION 1: Identification

1.1. Identification

Product form: Mixture
Product name: CB-G EG, B

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Epoxy grout

1.3. Details of the supplier of the safety data sheet

Hilti, Inc.
Legacy Tower, Suite 1000
7250 Dallas Parkway
TX 75024 Plano - USA
T +1 9724035800
1-800-879-8000 toll free - F +1 918 254 0522

Supplier
Hilti, Inc.
Legacy Tower, Suite 1000
7250 Dallas Parkway
TX 75024 Plano - USA
T +1 9724035800
1-800-879-8000 toll free - F +1 918 254 0522

1.4. Emergency telephone number

Emergency number: Chem-Trec
Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)
Tel.: 703 527 3887 (Other countries)
+1 918 8723000
1-800-879-8000 toll free

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute Tox. 4 (Oral) H302 - Harmful if swallowed.
Acute Tox. 4 (Dermal) H312 - Harmful in contact with skin.
Acute Tox. 3 (Inhalation: vapour) H331 - Toxic if inhaled.
Skin Corr. 1B H314 - Causes severe skin burns and eye damage.
Skin Sens. 1 H317 - May cause an allergic skin reaction.
Muta. 2 H341 - Suspected of causing genetic defects.
STOT RE 2 H373 - May cause damage to organs through prolonged or repeated exposure.

Full text of H statements: see section 16
2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

Signal word (GHS-US)  Danger

Hazard statements (GHS-US)  
H302+H312 - Harmful if swallowed or in contact with skin  
H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.  
H331 - Toxic if inhaled.  
H341 - Suspected of causing genetic defects.  
H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS-US)  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 - Wear Gloves, Safety glasses, Protective clothing.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P302+P352 - IF ON SKIN: Wash with plenty of water/…  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P314 - Get medical advice/attention if you feel unwell

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylenetetramine, propoxylated</td>
<td>(CAS-No.) 26950-63-0</td>
<td>40 - 60</td>
<td>Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>
| Triethylenetetramine | (CAS-No.) 112-24-3 | 25 - 40 | Acute Tox. 4 (Dermal), H312  
|  
| Skin Corr. 1B, H314  
| Skin Sens. 1, H317 |
| Formaldehyde, oligomeric reaction products with phenol and triethylenetetramine | (CAS-No.) 32610-77-8 | 10 - 25 | Acute Tox. 4 (Oral), H302  
| Acute Tox. 4 (Dermal), H312  
| Skin Corr. 1B, H314  
| Skin Sens. 1, H317 |
| phenol | (CAS-No.) 108-95-2 | 5 - 10 | Acute Tox. 3 (Oral), H301  
| Acute Tox. 3 (Dermal), H311  
| Acute Tox. 3 (Inhalation), H331  
| Skin Corr. 1B, H314  
| Muta. 2, H341  
| STOT RE 2, H373 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation  
Remove person to fresh air and keep comfortable for breathing. Call a doctor.

First-aid measures after skin contact  
Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact  Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion  Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms/effects after inhalation</td>
<td>May cause respiratory irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.</td>
</tr>
<tr>
<td>Symptoms/effects after skin contact</td>
<td>Burns. May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Symptoms/effects after eye contact</td>
<td>Burns.</td>
</tr>
<tr>
<td>Symptoms/effects after ingestion</td>
<td>Burns.</td>
</tr>
</tbody>
</table>

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

<table>
<thead>
<tr>
<th>Media</th>
<th>Suitable extinguishing media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foam</td>
<td></td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Media</th>
<th>Unsuitable extinguishing media</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy water stream</td>
<td>Do not use a heavy water stream.</td>
</tr>
</tbody>
</table>

5.2. Special hazards arising from the substance or mixture

| Reactivity | Corrosive vapours. |

5.3. Advice for firefighters

| Instructions | Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| Other information | In case of fire, corrosive and harmful gases come free. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>Measures</th>
<th>General measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spilled material may present a slipping hazard.</td>
<td></td>
</tr>
</tbody>
</table>

6.1.1. For non-emergency personnel

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Protective equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wear recommended personal protective equipment.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Procedures</th>
<th>Emergency procedures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilate spillage area. Do not breathe vapours. Avoid contact with skin, eyes and clothing.</td>
<td></td>
</tr>
</tbody>
</table>

6.1.2. For emergency responders

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Protective equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do not attempt to take action without suitable protective equipment. For further information refer to section 8: &quot;Exposure controls/personal protection&quot;.</td>
<td></td>
</tr>
</tbody>
</table>

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| Methods for cleaning up | Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |
| Other information | Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling  Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapours. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.

Hygiene measures  Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions  Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Storage temperature  60 - 80 °F
Heat and ignition sources  Keep away from heat and direct sunlight.
Storage area  Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (ppm)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>OSHA PEL (TWA) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>phenol (108-95-2)</td>
<td>5 ppm</td>
<td>19 mg/m³</td>
<td>5 ppm</td>
</tr>
<tr>
<td>ACGIH Remark (ACGIH)</td>
<td>URT irr; lung dam; CNS impair</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Formaldehyde, oligomeric reaction products with phenol and triethylenetetramine (32610-77-8)
Not applicable

Triethylenetetramine, propoxylated (26950-63-0)
Not applicable

8.2. Exposure controls
Appropriate engineering controls  Ensure good ventilation of the work station.
Personal protective equipment  Safety glasses. Gloves. Protective clothing. Avoid all unnecessary exposure.

Hand protection  protective gloves.
Eye protection  Safety glasses.
Skin and body protection  Wear suitable protective clothing.
Respiratory protection  No respiratory protection needed under normal use conditions. [In case of inadequate ventilation] wear respiratory protection.
Environmental exposure controls  Avoid release to the environment.
Other information  Do not eat, drink or smoke during use.
### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Blue</td>
</tr>
<tr>
<td>Odour</td>
<td>Amine-like</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 392 °F</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 212 °F</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.01 g/cm³</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour</td>
<td>Amine-like</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Corrosive vapours.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Reacts with (some) acids/bases.

#### 10.4. Conditions to avoid

High temperature. Open flame.

#### 10.5. Incompatible materials


#### 10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: vapour: Toxic if inhaled.

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral ATE US (mg/kg bodyweight)</th>
<th>Dermal ATE US (mg/kg bodyweight)</th>
<th>Vapours ATE US (mg/l/4h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB-G EG, B</td>
<td>1250</td>
<td>1100</td>
<td>3</td>
</tr>
<tr>
<td>Triethylenetetramine (112-24-3)</td>
<td>1100</td>
<td>660</td>
<td>3</td>
</tr>
<tr>
<td>phenol (108-95-2)</td>
<td>340</td>
<td>660</td>
<td>700</td>
</tr>
<tr>
<td>Lucarate formaldehyde, oligomeric reaction products with phenol and triethylenetetramine (32610-77-8)</td>
<td>500</td>
<td>1100</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Not classified

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

Not classified

Specific target organ toxicity (single exposure)

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not classified

Symptoms/effects after inhalation

May cause respiratory irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact

Burns. May cause an allergic skin reaction.

Symptoms/effects after eye contact

Serious damage to eyes.

Symptoms/effects after ingestion

Burns.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

Harmful to aquatic life with long lasting effects.
12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on the global warming No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Ecology - waste materials Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

14.6. Special precautions for user

- Overland transport

- Transport by sea
  Special provisions (IMDG) 274
  Limited quantities (IMDG) 1 kg
  Packing instructions (IMDG) P002
  EmS-No. (Fire) F-A
SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

<table>
<thead>
<tr>
<th>phenol (108-95-2)</th>
<th>Subject to reporting requirements of United States SARA Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERCLA RQ</td>
<td>1000 lb</td>
</tr>
<tr>
<td>SARA Section 302 Threshold Planning Quantity (TPQ)</td>
<td>10000 lb 500lb if the substance is solid in powder form with particle size less than 100 microns, or is in solution or molten form</td>
</tr>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>1 %</td>
</tr>
</tbody>
</table>

Formaldehyde, oligomeric reaction products with phenol and triethylenetetramine (32610-77-8)

EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under Chemical Data Reporting Rule (formerly the Inventory Update Reporting Rule), i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 711).

Triethylenetetramine, propoxylated (26950-63-0)

EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under Chemical Data Reporting Rule (formerly the Inventory Update Reporting Rule), i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 711).

15.2. International regulations

CANADA

Triethylenetetramine (112-24-3)
Listed on the Canadian DSL (Domestic Substances List)

phenol (108-95-2)
Listed on the Canadian DSL (Domestic Substances List)

Formaldehyde, oligomeric reaction products with phenol and triethylenetetramine (32610-77-8)
Listed on the Canadian DSL (Domestic Substances List)

Triethylenetetramine, propoxylated (26950-63-0)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
No additional information available
Classification according to Regulation (EC) No. 1272/2008 [CLP]

- Acute Tox. 4 (Oral) H302
- Acute Tox. 4 (Dermal) H312
- Acute Tox. 3 (Inhalation) H331
- Skin Corr. 1B H314
- Eye Dam. 1 H318
- Skin Sens. 1 H317
- Muta. 2 H341
- STOT RE 2 H373

Full text of hazard classes and H-statements: see section 16

National regulations

<table>
<thead>
<tr>
<th>phenol (108-95-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on EPA Hazardous Air Pollutant (HAPS)</td>
</tr>
</tbody>
</table>

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Revision date 05/09/2018

Full text of H-statements:

| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H341 | Suspected of causing genetic defects. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

NFPA health hazard 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating

Health 2 Moderate Hazard - Temporary or minor injury may occur

Flammability 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200°F. (Class IIIB)

Physical 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Indication of changes:

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed Item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Layout Change</td>
</tr>
</tbody>
</table>

SDS_US_Hilti
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
CB-G EG, A
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 05/09/2018 Revision date: 05/09/2018 Supersedes: 11/13/2017 Version: 1.3

SECTION 1: Identification

1.1. Identification
Product form Mixture
Product name CB-G EG, A

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture Epoxy grout

1.3. Details of the supplier of the safety data sheet
Hilti, Inc.
Legacy Tower, Suite 1000
7250 Dallas Parkway
TX 75024 Plano - USA
T +1 9724035800
1-800-879-8000 toll free - F +1 918 254 0522

1.4. Emergency telephone number
Emergency number Chem-Trec
Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)
Tel.: 703 527 3887 (Other countries)
+1 918 8723000
1-800-879-8000 toll free

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Skin Irrit. 2 H315 - Causes skin irritation.
Eye Irrit. 2 H319 - Causes serious eye irritation.
Skin Sens. 1 H317 - May cause an allergic skin reaction.
Full text of H statements: see section 16

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US)

Signal word (GHS-US) Warning
Hazard statements (GHS-US)
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

Precautionary statements (GHS-US)
P280 - Wear eye protection, protective clothing, protective gloves.
P302+P352 - If on skin: Wash with plenty of water/…
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
</table>
| Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 | (CAS-No.) 25068-38-6 | >= 80 | Skin Irrit. 2, H315  
Eye Irrit. 2A, H319  
Skin Sens. 1, H317 |
Eye Irrit. 2A, H319 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation
Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact
Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion
Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation
May cause an allergic skin reaction.

Symptoms/effects after skin contact
Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact
Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Unsuitable extinguishing media
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

5.3. Advice for firefighters
Firefighting instructions
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting
Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures
Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel
Emergency procedures
Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours.

6.1.2. For emergency responders
Protective equipment
Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures
Ventilate area.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
For containment
Collect spillage.
Methods for cleaning up
Take up liquid spill into absorbent material.
Other information
Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling
Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapours.
Hygiene measures
Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions
Store in a well-ventilated place. Keep cool.
Incompatible products
Strong bases. Strong acids.
Incompatible materials
Sources of ignition. Direct sunlight.
Storage temperature
41 - 77 °F
Heat and ignition sources
Keep away from heat and direct sunlight.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Control parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

<table>
<thead>
<tr>
<th>Protection</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriate engineering controls</td>
<td>Ensure good ventilation of the work station.</td>
</tr>
<tr>
<td>Personal protective equipment</td>
<td>Safety glasses. Gloves. Protective clothing. Avoid all unnecessary exposure.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>protective gloves.</td>
</tr>
<tr>
<td>Eye protection</td>
<td>Safety glasses.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>In case of insufficient ventilation, wear suitable respiratory equipment. Filter AX (brown).</td>
</tr>
<tr>
<td>Environmental exposure controls</td>
<td>Avoid release to the environment.</td>
</tr>
<tr>
<td>Consumer exposure controls</td>
<td>Avoid contact during pregnancy/while nursing.</td>
</tr>
<tr>
<td>Other information</td>
<td>Do not eat, drink or smoke during use.</td>
</tr>
</tbody>
</table>

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Sweet</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 392 °F</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 302 °F</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.12 g/cm³</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Decomposition temperature  No data available
Viscosity  No data available
Viscosity, kinematic  No data available
Viscosity, dynamic  No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

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

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)</td>
</tr>
<tr>
<td>[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>7800 mg/kg (Rat)</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
Symptoms/effects after inhalation: May cause an allergic skin reaction.
Symptoms/effects after skin contact: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact: Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Toxic to aquatic life with long lasting effects.

| Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6) |
|--------------------|------------------|
| LC50 fish 1        | 1.2 mg/l (96 h; Oncorhynchus mykiss; Lethal) |
| EC50 Daphnia 1     | 1.7 mg/l         |
| LC50 fish 2        | 2.3 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration) |
| ErC50 (algae)      | > 11 mg/l (EPA 660/3 - 75/009, 72 h, Scenedesmus sp., Static system, Fresh water, Experimental value) |
| Threshold limit algae 1 | > 11 mg/l (72 h; Scenedesmus sp.) |
| Threshold limit algae 2 | 4.2 mg/l (72 h; Scenedesmus sp.) |
| [(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6) |
| LC50 fish 1        | 14 mg/l (24 h, Carassius auratus) |

12.2. Persistence and degradability

| [(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6) |
| Persistence and degradability | Biodegradability in water: no data available. |
| Biochemical oxygen demand (BOD) | 0.14 g O₂/g substance |
| Chemical oxygen demand (COD) | 2.46 g O₂/g substance |
| ThOD | 2.66 g O₂/g substance |
| BOD (% of ThOD) | 0.0526 |

12.3. Bioaccumulative potential

| Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6) |
|--------------------|------------------|
| BCF other aquatic organisms 1 | 31 (Estimated value, Fresh weight) |
| Log Pow | >= 2.918 (Experimental value; EU Method A.8: Partition Coefficient; 25 °C) |
| Bioaccumulative potential | Low bioaccumulation potential (BCF < 500). |
| [(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6) |
| Log Pow | 2.97 (Estimated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

| Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6) |
|--------------------|------------------|
| Surface tension | 55.7 - 58.9 mN/m (20 °C) |
| Log Koc | 2.65 (log Koc; SRC PCOCWIN v2.0, QSAR) |
| Ecology - soil | Low potential for adsorption in soil. |

12.5. Other adverse effects

Effect on the global warming: No known effects from this product.
SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>3082</td>
<td>3082</td>
<td>3082</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-a-epichlorhydrin epoxy resin; average MW &lt; 700)</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700)</td>
<td>Environmentally hazardous substance, liquid, n.o.s. (bisphenol-a-epichlorhydrin epoxy resin; average MW &lt; 700)</td>
</tr>
<tr>
<td>Transport document description</td>
<td>UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-a-epichlorhydrin epoxy resin; average MW &lt; 700), 9, III, (E)</td>
<td>UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700), 9, III, MARINE POLLUTANT</td>
<td>UN 3082 Environmentally hazardous substance, liquid, n.o.s. (bisphenol-a-epichlorhydrin epoxy resin; average MW &lt; 700), 9, III</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>9</td>
<td>9</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Dangerous for the environment: Yes</td>
<td>Dangerous for the environment: Yes</td>
<td>Dangerous for the environment: Yes</td>
</tr>
<tr>
<td>No supplementary information available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

14.6. Special precautions for user
- Overland transport
  - Classification code (ADR): M6
  - Special provisions (ADR): 274, 335, 601
  - Limited quantities (ADR): 5l
  - Packing instructions (ADR): P001, IBC03, LP01, R001
  - Mixed packing provisions (ADR): MP19
Orange plates

Tunnel restriction code (ADR)  E

- Transport by sea
Special provisions (IMDG)  274, 335
Limited quantities (IMDG)  5 L
Packing instructions (IMDG)  P001, LP01
EmS-No. (Fire)  F-A
EmS-No. (Spillage)  S-F
Stowage category (IMDG)  A
MFAG-No  171

- Air transport
PCA packing instructions (IATA)  964
PCA max net quantity (IATA)  450L
CAO packing instructions (IATA)  964
Special provisions (IATA)  A97, A158, A197

- Rail transport
Carriage prohibited (RID)  No

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

SECTION 15: Regulatory information

15.1. US Federal regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

**Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6)**

| EPA TSCA Regulatory Flag | XU - XU - indicates a substance exempt from reporting under Chemical Data Reporting Rule (formerly the Inventory Update Reporting Rule), i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 711). |

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TP - TP - indicates a substance that is the subject of a proposed Section 4 test rule under TSCA.</td>
<td></td>
</tr>
</tbody>
</table>

15.2. International regulations

**CANADA**

**Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6)**

Listed on the Canadian DSL (Domestic Substances List)


Listed on the Canadian DSL (Domestic Substances List)

**EU-Regulations**

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

<table>
<thead>
<tr>
<th>Skin Irrit. 2</th>
<th>Eye Irrit. 2</th>
<th>Skin Sens. 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>H315</td>
<td>H319</td>
<td>H317</td>
</tr>
</tbody>
</table>
CB-G EG, A
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of hazard classes and H-statements: see section 16

National regulations
No additional information available

15.3. US State regulations
California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information
Revision date 05/09/2018

Full text of H-statements:

<table>
<thead>
<tr>
<th>H315</th>
<th>Causes skin irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
</tbody>
</table>

NFPA health hazard 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating
Health 2 Moderate Hazard - Temporary or minor injury may occur
Flammability 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIb)
Physical 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense or self-react. Non-Explosives.

SDS_US_Hilti
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.