SECTION 1: Kit identification

1.1 Product identifier

Product name: RM 700
Product code: BU Fire Protection

1.2 Details of the supplier of the Safety information for 3-Component-products

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

SECTION 2: General information

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

SECTION 3: Kit contents

Classification of the Product

GHS-US classification
Skin Irrit. 2 - H315 - Causes skin irritation.
Eye Dam. 1 - H318 - Causes serious eye damage.
Skin Sens. 1 - H317 - May cause an allergic skin reaction.
Carc. 1A - H350 - May cause cancer.
STOT RE 1 - H372 - Causes damage to organs through prolonged or repeated exposure.

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.
H335 - May cause respiratory irritation.
H350 - May cause cancer.
H361 - Suspected of damaging fertility or the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS-US)
P260 - Do not breathe dust/mist/vapors.
P271 Use only outdoors or in a well-ventilated area.
P280 - Wear eye protection, protective clothing, protective gloves.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention.

### Additional information

<table>
<thead>
<tr>
<th>Name</th>
<th>General description</th>
<th>Quantity</th>
<th>Unit</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM 700, C</td>
<td></td>
<td>1</td>
<td>pcs (pieces)</td>
<td>Eye Irrit. 2B, H320</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Carc. 1A, H350</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT RE 1, H372</td>
</tr>
<tr>
<td>RM 700, B</td>
<td></td>
<td>1</td>
<td>pcs (pieces)</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 (Dermal), H312</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Repr. 2, H361</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
<tr>
<td>RM 700, A</td>
<td></td>
<td>1</td>
<td>pcs (pieces)</td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

No substance or mixture included in the following Kit components is hazardous according to Regulation (EC) No. 1272/2008 [CLP] and therefore the requirements of Regulation (EU) 2015/830 do not apply.

### SECTION 4: General advice

No data available

### SECTION 5: Safe handling advice

- **Environmental precautions**: Avoid release to the environment. Prevent entry to sewers and public waters.
- **Storage conditions**: Keep cool. Protect from sunlight. Store in a well-ventilated place.
- **Precautions for safe handling**: Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Do not breathe vapours. Wear personal protective equipment.
- **Methods for cleaning up**: Take up liquid spill into absorbent material.
- **For containment**: Collect spillage.

### SECTION 6: First aid measures

- **First-aid measures after eye contact**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- **First-aid measures after ingestion**: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.
- **First-aid measures after inhalation**: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
- **First-aid measures after skin contact**: Rinse skin with water/shower. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- **Symptoms/effects after eye contact**: Serious damage to eyes.
- **Symptoms/effects after ingestion**: Burns.
- **Symptoms/effects after inhalation**: May cause respiratory irritation.
RM 700
Safety information for 3-Component-products

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

Other medical advice or treatment
Treat symptomatically

SECTION 7: Fire fighting measures

Protection during firefighting
Do not attempt to take action without suitable protective equipment
Self-contained breathing apparatus
Complete protective clothing

Hazardous decomposition products in case of fire
Toxic fumes may be released

SECTION 8: Other information

No data available
SECTION 1: Identification

1.1. Identification

Product form: Mixture
Product name: RM 700, A
Product code: BU Fire Protection

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

No additional information available

1.3. Details of the supplier of the safety data sheet

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

Department issuing data specification sheet
Hilti AG
Feldkircherstraße 100
9494 Schaan - Liechtenstein
T +423 234 2111
chemicals.hse@hilti.com

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. 2A 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)
- P261 - Avoid breathing vapours.
- 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.
- 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
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 | 60-90 | Skin Irrit. 2, H315  
Eye Irrit. 2A, H319  
Skin Sens. 1, H317  
Aquatic Chronic 2, H411 |
| Glycidyl ether | (CAS-No.) Company secret | 5-15 | Skin Irrit. 2, H315  
Skin Sens. 1, H317 |

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.
- 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 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

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
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

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”.

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.
Storage temperature
41 - 77 °F

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6)
Not applicable

8.2. Exposure controls
Appropriate engineering controls
Ensure good ventilation of the work station.
RM 700, A
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Personal protective equipment

Hand protection
Protective gloves.
Eye protection
Safety glasses.
Skin and body protection
Wear suitable protective clothing.
Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls
Avoid release to the environment.

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>Light grey</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>1.13 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>800 - 1800 cP</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</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
Reacts with oxidising compounds. Reacts with (some) acids/bases.

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

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skin corrosion/irritation</th>
<th>Causes skin irritation.</th>
</tr>
</thead>
<tbody>
<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>

<table>
<thead>
<tr>
<th>Symptoms/effects after skin contact</th>
<th>Irritation. May cause an allergic skin reaction.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms/effects after eye contact</td>
<td>Eye irritation.</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

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

<table>
<thead>
<tr>
<th>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>1.2 mg/l (96 h; Oncorhynchus mykiss; Lethal)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>1.7 mg/l</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>2.3 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>&gt; 11 mg/l (72 h; Scenedesmus sp.)</td>
</tr>
<tr>
<td>Threshold limit algae 2</td>
<td>4.2 mg/l (72 h; Scenedesmus sp.)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF other aquatic organisms</td>
</tr>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
</tr>
</tbody>
</table>

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.
Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations.
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 for transport</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.2. UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>14.3. Transport hazard class(es)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.4. Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.5. Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment : Yes</td>
</tr>
<tr>
<td>Marine pollutant : Yes</td>
</tr>
<tr>
<td>No supplementary information available</td>
</tr>
</tbody>
</table>

14.6. Special precautions for user

- Overland transport
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

| Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6) |
| Listed on the Canadian DSL (Domestic Substances List) |

EU-Regulations

No additional information available

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

- Skin Irrit. 2 H315
- Eye Irrit. 2 H319
- Skin Sens. 1 H317
- Aquatic Chronic 2 H411

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 11/07/2017

Full text of H-statements:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.
Indication of changes:

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display TSCA summary in 15.1</td>
<td>Added</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display California Proposition 65 summary</td>
<td>Added</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supersedes</td>
<td>Modified</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revision date</td>
<td>Modified</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of issue</td>
<td>Modified</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product code</td>
<td>Modified</td>
<td></td>
<td></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: RM 700, B
Product code: BU Fire Protection

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Hilti, Inc.
Legacy Tower, Suite 1000
7250 Dallas Parkway
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
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.
Skin Corr. 1B H314 - Causes severe skin burns and eye damage.
Eye Dam. 1 H318 - Causes serious eye damage.
Skin Sens. 1 H317 - May cause an allergic skin reaction.
Repr. 2 H361 - Suspected of damaging fertility or the unborn child.
STOT SE 3 H335 - May cause respiratory irritation.

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.
H335 - May cause respiratory irritation.
H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS-US)
P260 - Do not breathe vapours.
P280 - Wear eye protection, protective clothing, protective gloves.
P261 - Avoid contact with skin and eyes.
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
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
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>diethylenetriamine</td>
<td>(CAS-No.) 111-40-0</td>
<td>30-60</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (inhalation:vapour), H330 Skin Corr. 1A, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335</td>
</tr>
<tr>
<td>4,4′-isopropylidenediphenol (Bisphenol-A)</td>
<td>(CAS-No.) 80-05-7</td>
<td>20-40</td>
<td>Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361 STOT SE 3, H335</td>
</tr>
</tbody>
</table>

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 poison center or a doctor if you feel unwell.
First-aid measures after skin contact Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
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>Symptoms/effects after inhalation</th>
<th>May cause respiratory irritation.</th>
</tr>
</thead>
<tbody>
<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>Serious damage to eyes.</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

Suitable extinguishing media


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

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

6.1.1. For non-emergency personnel

Emergency procedures

Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe 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”.

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. 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. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe 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 locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Storage temperature
41 - 77 °F

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>RM 700, B</th>
<th>DNEL</th>
<th>DNEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>diethylenetriamine (111-40-0)</td>
<td>ACGIH</td>
<td>ACGIH TWA (ppm)</td>
</tr>
</tbody>
</table>

| 4,4’-isopropylidenephenol (Bisphenol-A) (80-05-7) | Not applicable |

8.2. Exposure controls
Appropriate engineering controls
Ensure good ventilation of the work station.

Personal protective equipment
Gloves. Protective clothing. Safety glasses.

Hand protection
Protective gloves.

Eye protection
Safety glasses.

Skin and body protection
Wear suitable protective clothing.

Respiratory protection
[In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>amber</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; 350 °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>
</tbody>
</table>
RM 700, B
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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
Reacts with (some) acids/bases. Reacts with oxidising compounds.

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

Acute toxicity
Oral: Harmful if swallowed. Dermal: Harmful in contact with skin.

<table>
<thead>
<tr>
<th>RM 700, B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (oral)</td>
<td>1800 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>1816.6666666667 mg/kg bodyweight</td>
</tr>
<tr>
<td>diethylenetriamine (111-40-0)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>1080 mg/kg (Rat)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>1090 mg/kg (Rabbit)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>1080 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>1090 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (vapours)</td>
<td>0.5 mg/l/4h</td>
</tr>
<tr>
<td>4,4'-isopropylenediphenol (Bisphenol-A) (80-05-7)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>3300 mg/kg (Rat)</td>
</tr>
</tbody>
</table>
4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD₅₀ dermal rabbit</td>
<td>3600 mg/kg (Rabbit)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>3300 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>3600 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation  Causes severe skin burns and eye damage.
Serious eye damage/irritation Causes serious eye damage.
Respiratory or skin sensitisation May cause an allergic skin reaction.
Germ cell mutagenicity      Not classified
Carcinogenicity             Not classified

Reproductive toxicity Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure) May cause respiratory irritation.
Specific target organ toxicity (repeated exposure) Not classified
Aspiration hazard          Not classified

Symptoms/effects after inhalation May cause respiratory irritation.
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 Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**diethylenetriamine (111-40-0)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC₅₀ fish 1</td>
<td>430 mg/l (LC₅₀: 96 h)</td>
</tr>
<tr>
<td>EC₅₀ Daphnia 1</td>
<td>17 - 64 mg/l (EC₅₀: 48 h)</td>
</tr>
<tr>
<td>EC₅₀ other aquatic organisms 1</td>
<td>1164 mg/l (72 h; Selenastrum capricornutum)</td>
</tr>
</tbody>
</table>

**4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC₅₀ fish 1</td>
<td>9.9 mg/l (96 h; Brachydanio rerio; GLP)</td>
</tr>
<tr>
<td>EC₅₀ Daphnia 1</td>
<td>3.9 mg/l (48 h; Daphnia magna; GLP)</td>
</tr>
<tr>
<td>LC₅₀ fish 2</td>
<td>4.6 - 4.7 mg/l (96 h; Pimephales promelas; GLP)</td>
</tr>
<tr>
<td>EC₅₀ Daphnia 2</td>
<td>10 mg/l (48 h; Daphnia magna)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>2.7 - 3.1,96 h; Selenastrum capricornutum; GLP</td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

**diethylenetriamine (111-40-0)**


**4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7)**


Chemical oxygen demand (COD) 0.036 g O₂/g substance

ThOD 2.5 g O₂/g substance

### 12.3. Bioaccumulative potential

**diethylenetriamine (111-40-0)**

BCF fish 1 < 6.3 (BCF)

Log Pow -1.3
### diethylenetriamine (111-40-0)

| Bioaccumulative potential | Bioaccumulation: not applicable. |

### 4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7)

| BCF fish 1                  | 5.1 - 67.7 (Cyprinus carpio; Test duration: 6 weeks) |
| Log Pow                     | 3.32 (Experimental value) |
| Bioaccumulative potential   | Low potential for bioaccumulation (BCF < 500). |

#### 12.4. Mobility in soil

| diethylenetriamine (111-40-0) |
| Surface tension               | 0.044 N/m (25 °C) |

#### 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.

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. 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>2735</td>
<td>2735</td>
<td>2735</td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name

| AMINES, LIQUID, CORROSIVE, N.O.S. | AMINES, LIQUID, CORROSIVE, N.O.S. | Amines, liquid, corrosive, n.o.s. | AMINES, LIQUID, CORROSIVE, N.O.S. |

Transport document description

| UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, II, (E), ENVIRONMENTALLY HAZARDOUS | UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |

14.3. Transport hazard class(es)

8

14.4. Packing group

II

14.5. Environmental hazards

| Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| Marine pollutant: Yes | Yes | Yes | Yes |
14.6. Special precautions for user

- Overland transport

  Classification code (ADR)  C7
  Special provisions (ADR)  274
  Limited quantities (ADR)  1L
  Packing instructions (ADR)  P001, IBC02
  Mixed packing provisions (ADR)  MP15
  Orange plates

  Tunnel restriction code (ADR)  E

- Transport by sea

  Special provisions (IMDG)  274
  Limited quantities (IMDG)  1 L
  Packing instructions (IMDG)  P001
  EmS-No. (Fire)  F-A
  EmS-No. (Spillage)  S-B
  Stowage category (IMDG)  A
  Stowage and segregation (IMDG)  Separated from acids.
  MFAG-No  153

- Air transport

  PCA packing instructions (IATA)  851
  PCA max net quantity (IATA)  1L
  CAO packing instructions (IATA)  855
  Special provisions (IATA)  A3

- Rail transport

  Special provisions (RID)  274
  Limited quantities (RID)  1L
  Packing instructions (RID)  P001, IBC02
  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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>diethylenetriamine (111-40-0)</td>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
<tr>
<td>4,4'-isopropylidenediphenol (Bisphenol-A)</td>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
</tbody>
</table>

EU-Regulations

No additional information available

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

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>H302</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr. 1B</td>
<td>H314</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>H318</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>H317</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>H361</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>H335</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>H400</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>H411</td>
</tr>
</tbody>
</table>

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 contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

<table>
<thead>
<tr>
<th>Substance</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4'-isopropylidenediphenol (Bisphenol-A)</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No significant risk level (NSRL)</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Revision date 11/07/2017

Full text of H-statements:

<table>
<thead>
<tr>
<th>H302</th>
<th>Harmful if swallowed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H330</td>
<td>Fatal if inhaled.</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td>H361</td>
<td>Suspected of damaging fertility or the unborn child.</td>
</tr>
</tbody>
</table>

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>Display TSCA summary in 15.1</td>
<td>Added</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Display California Proposition 65 summary in 15.3</td>
<td>Added</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Supersedes</td>
<td>Modified</td>
<td></td>
</tr>
</tbody>
</table>
RM 700, B
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date Modified
Date of issue Modified
Product code Modified

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.
SECTION 1: Identification

1. Identification

Product form   Mixture
Product name   RM 700, C
CAS-No.   14808-60-7
Product code   BU Fire Protection

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
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
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
--- | ---
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.
| 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
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>Quartz</td>
<td>(CAS-No.) 14808-60-7</td>
<td>100</td>
<td>Eye Irrit 2B, H320 Carc. 1A, H350 STOT RE 1, H372</td>
</tr>
</tbody>
</table>

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.
First-aid measures after skin contact | Wash skin with plenty of water.
First-aid measures after eye contact | Rinse eyes with water as a precaution.
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)
No additional information available

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media | Water spray. Dry powder. Foam.

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
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

6.1.1. For non-emergency personnel

Emergency procedures
Ventilate spillage area.

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”.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Mechanically recover the product.

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. Wear personal protective equipment.

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.

Storage temperature
41 - 77 °F

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Quartz (14808-60-7)</th>
</tr>
</thead>
</table>
| OSHA | Remark (OSHA) | (3) See Table Z-3.

8.2. Exposure controls

Appropriate engineering controls
Ensure good ventilation of the work station.

Personal protective equipment
Protective clothing, Safety glasses. Gloves.

Hand protection
protective gloves.

Eye protection
Safety glasses.

Skin and body protection
Wear suitable protective clothing.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls
Avoid release to the environment.
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>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>white</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>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</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>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>Not applicable</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</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>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

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</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>May cause cancer.</td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
</tr>
<tr>
<td>IARC group</td>
<td>1 - Carcinogenic to humans</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>Causes damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</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

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.

SECTION 14: Transport information

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

07/11/2017 EN (English)
## 14.1. UN number
Not regulated for transport

## 14.2. UN proper shipping name
Not applicable

## 14.3. Transport hazard class(es)
Not applicable

## 14.4. Packing group
Not applicable

## 14.5. Environmental hazards

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment: No Marine pollutant: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: 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

<table>
<thead>
<tr>
<th>Quartz (14808-60-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
</tbody>
</table>

#### EU-Regulations

No additional information available

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

Not classified

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

15.3. US State regulations

<table>
<thead>
<tr>
<th>Quartz (14808-60-7) - Silica, crystalline (airborne particles of respirable size)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California - Proposition 65 - Carcinogens List</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Developmental Toxicity</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</td>
</tr>
<tr>
<td>No significant risk level (NSRL)</td>
</tr>
</tbody>
</table>

Yes     No     No     No

SECTION 16: Other information

Revision date 11/07/2017

Full text of H-statements:

H320 Causes eye irritation
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

Indication of changes:

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display TSCA summary in 15.1</td>
<td>Added</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Carcinogens List</td>
<td>Added</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revision date</td>
<td>Modified</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of issue</td>
<td>Modified</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product code</td>
<td>Modified</td>
<td></td>
<td></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.