# RM 700

## Safety information for 3-Component-products

**Date of issue:** 09/01/2018  
**Revision date:** 09/01/2018  
**Supersedes:** 18/04/2016  
**Version:** 2.1

## SECTION 1: Kit identification

### 1.1 Product identifier

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>RM 700</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product code</strong></td>
<td>BU Fire Protection</td>
</tr>
</tbody>
</table>

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

Hilti (Canada) Corp.  
2360 Meadowpine Boulevard  
L5N 6S2 Mississauga, Ontario - Canada  
T +1905 8139200  
1-800-363-4458 toll free - F +1 905 813 9009

## 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

<table>
<thead>
<tr>
<th>Classification (GHS-CA)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation, Category 2</td>
<td>H315</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation, Category 2A</td>
<td>H319</td>
</tr>
<tr>
<td>Skin sensitisation, Category 1</td>
<td>H317</td>
</tr>
<tr>
<td>Germ cell mutagenicity, Category 2</td>
<td>H341</td>
</tr>
</tbody>
</table>

### Label elements

#### GHS-CA labelling

- **Hazard pictograms (GHS-CA)**
  - GHS05
  - GHS07
  - GHS08

- **Signal word (GHS-CA)**: Danger

- **Hazard statements (GHS-CA)**:
  - 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-CA)**:
  - P260 - Do not breathe dust, vapours.  
  - 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.
### RM 700

Safety information for 3-Component-products

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**Additional information**

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

<table>
<thead>
<tr>
<th>Name</th>
<th>General description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Classification (GHS-CA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM 700, C</td>
<td>General description</td>
<td>1</td>
<td>pcs</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>General description</td>
<td>1</td>
<td>pcs</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, H316</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>General description</td>
<td>1</td>
<td>pcs</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>

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### 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.

**Symptoms/effects after skin contact**

- Burns
- May cause an allergic skin reaction.

**Other medical advice or treatment**

- Treat symptomatically

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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
RM 700, A
Safety Data Sheet
according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 01/09/2018            Revision date: 01/09/2018            Supersedes: 04/18/2016            Version: 2.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
- 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 (Canada) Corp.
2360 Meadowpine Boulevard
L5N 6S2 Mississauga, Ontario - Canada
T +1905 8139200
1-800-363-4458 toll free - F +1 905 813 9009

Supplier
Hilti (Canada) Corp.
2360 Meadowpine Boulevard
L5N 6S2 Mississauga, Ontario - Canada
T +1905 8139200
1-800-363-4458 toll free - F +1 905 813 9009

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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (GHS-CA)
- Skin Irrit. 2: H315
- Eye Irrit. 2A: H319
- Skin Sens. 1: H317
Full text of H statements: see section 16

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

Signal word (GHS-CA) Warning
Hazard statements (GHS-CA)
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
Precautionary statements (GHS-CA)
- P261 - Avoid breathing vapours.
- 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.
2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Chemical name / Synonyms</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-CA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol-A-Epichlorhydrin</td>
<td>(CAS-No.) 25068-38-6</td>
<td>60-90</td>
<td></td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>Epoxy resin Average MW &lt; 700</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>
<tr>
<td>Glycidyl ether</td>
<td>(CAS-No.) Company secret</td>
<td>5-15</td>
<td></td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Full text of hazard classes and 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, both 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

Other medical advice or treatment: Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media


5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

No additional information available
5.4. Special protective equipment and precautions for fire-fighters

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

No additional information available

6.2. Methods and materials 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.

6.3. Reference to other sections

For further information refer to section 8: “Exposure controls/personal protection”

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
5 - 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls
Ensure good ventilation of the work station.

Environmental exposure controls
Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

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; 200 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 150 °C</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>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative volatility ratio at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</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>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</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>Explosive limits</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

- **Reactivity**: The product is non-reactive under normal conditions of use, storage and transport.
- **Chemical stability**: Stable under normal conditions.
- **Possibility of hazardous reactions**: Reacts with oxidising compounds. Reacts with (some) acids/bases.
- **Conditions to avoid**: None under recommended storage and handling conditions (see section 7).
- **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)**: Not classified
- **Acute toxicity (dermal)**: Not classified
- **Acute toxicity (inhalation)**: Not classified
**RM 700, A**

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

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

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 2000 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)</td>
</tr>
</tbody>
</table>

- Skin corrosion/irritation: Causes skin irritation.
- Serious eye damage/irritation: Causes serious eye irritation.
- Respiratory or skin sensitization: May cause an allergic skin reaction.
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Not classified
- Reproductive toxicity: Not classified
- STOT-single exposure: Not classified
- STOT-repeated exposure: Not classified
- Aspiration hazard: Not classified
- 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.

<table>
<thead>
<tr>
<th>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
</tr>
<tr>
<td>LC50 fish 2</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
</tr>
<tr>
<td>Threshold limit algae 2</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 1</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**

GWPmix comment: No known effects from this product.

### SECTION 13: Disposal considerations

**13.1. Disposal methods**

<table>
<thead>
<tr>
<th>Waste treatment methods</th>
<th>Dispose of contents/container in accordance with licensed collector’s sorting instructions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product/Packaging disposal recommendations</td>
<td>Dispose in a safe manner in accordance with local/national regulations.</td>
</tr>
<tr>
<td>Ecology - waste materials</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>
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>
<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 : Yes</td>
<td>Dangerous for the environment : Yes</td>
<td>Dangerous for the environment : Yes</td>
</tr>
<tr>
<td>Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg)</td>
<td></td>
<td></td>
<td></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

- 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. National regulations

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

15.2. International regulations

| Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6) |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| Glycidyl ether (Company secret) |
| Not listed on the United States TSCA (Toxic Substances Control Act) inventory |
SECTION 16: Other information

<table>
<thead>
<tr>
<th>SDS Major/Minor</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of issue</td>
<td>01/09/2018</td>
</tr>
<tr>
<td>Revision date</td>
<td>01/09/2018</td>
</tr>
<tr>
<td>Supersedes</td>
<td>04/18/2016</td>
</tr>
</tbody>
</table>

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>

SDS_CA_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 of the substance/mixture and of the company/undertaking

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>RM 700, B</td>
</tr>
<tr>
<td>Product code</td>
<td>BU Fire Protection</td>
</tr>
</tbody>
</table>

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 (Canada) Corp.
2360 Meadowpine Boulevard
L5N 6S2 Mississauga, Ontario - Canada
T +1905 8139200
1-800-363-4458 toll free - F +1 905 813 9009

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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)
- Acute Tox. 4 (Oral) H302
- Acute Tox. 4 (Dermal) H312
- Skin Corr. 1A H314
- Skin Sens. 1 H317
- Repr. 2 H361
- STOT SE 3 H335

Full text of H statements: see section 16

2.2. Label elements

GHS-CA labelling
- Hazard pictograms (GHS-CA)

Signal word (GHS-CA) Danger
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-CA)
P260 - Do not breathe vapours.
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. 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-CA)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Chemical name / Synonyms</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-CA)</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</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 (Dermal), H312</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 2 (Inhalation:vapour), H330</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1A, H314</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>4,4’-isopropylidenediphenol</td>
<td>(Bisphenol-A)</td>
<td>20-40</td>
<td>Eye Dam. 1, H318</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(CAS-No.) 80-05-7</td>
<td></td>
<td>Skin Sens. 1, H317</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
<td></td>
</tr>
</tbody>
</table>

Full text of hazard classes and 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, both acute and delayed

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.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment
Treat symptomatically.
SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

5.2. Unsuitable extinguishing media
No additional information available

5.3. Specific hazards arising from the hazardous product
No additional information available

5.4. Special protective equipment and precautions for fire-fighters
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
No additional information available

6.2. Methods and materials 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.

6.3. Reference to other sections
For further information refer to section 8: "Exposure controls/personal protection"

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: 5 - 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Appropriate engineering controls
Appropriate engineering controls: Ensure good ventilation of the work station.
Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment
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>Relative evaporation rate (butylacetate=1)</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; 176 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C</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>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</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>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</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>Explosive limits</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

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

Chemical stability
- Stable under normal conditions.

Possibility of hazardous reactions
- Reacts with (some) acids/bases. Reacts with oxidising compounds.

Conditions to avoid
- None under recommended storage and handling conditions (see section 7).
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)**  
  Oral: Harmful if swallowed.

- **Acute toxicity (dermal)**  
  Dermal: Harmful in contact with skin.

- **Acute toxicity (inhalation)**  
  Not classified

<table>
<thead>
<tr>
<th>ATE CA (oral)</th>
<th>1800 mg/kg bodyweight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE CA (dermal)</td>
<td>1816.6666666667 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>1080 mg/kg (Rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>1090 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>3300 mg/kg (Rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>3600 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>

- **Skin corrosion/irritation**  
  Causes severe skin burns and eye damage.

- **Serious eye damage/irritation**  
  Serious eye damage, category 1, implicit

- **Respiratory or skin sensitization**  
  May cause an allergic skin reaction.

- **Germ cell mutagenicity**  
  Not classified

- **Carcinogenicity**  
  Not classified

- **Reproductive toxicity**  
  Suspected of damaging fertility or the unborn child.

- **STOT-single exposure**  
  May cause respiratory irritation.

- **STOT-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>LC50 fish 1</th>
<th>430 mg/l (LC50; 96 h)</th>
</tr>
</thead>
<tbody>
<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>LC50 fish 1</th>
<th>9.9 mg/l (96 h; Brachydanio rerio; GLP)</th>
</tr>
</thead>
<tbody>
<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)**

Persistence and degradability  
Inherently biodegradable. Not readily biodegradable in water. Photodegradation in the air.
4,4’-isopropylidenediphenol (Bisphenol-A) (80-05-7)

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>0.036 g O₂/g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>2.5 g O₂/g substance</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

diethylenetriamine (111-40-0)

<table>
<thead>
<tr>
<th>BCF fish 1</th>
<th>&lt; 6.3 (BCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>-1.3</td>
</tr>
</tbody>
</table>

Bioaccumulative potential: not applicable.

4,4’-isopropylidenediphenol (Bisphenol-A) (80-05-7)

<table>
<thead>
<tr>
<th>BCF fish 1</th>
<th>5.1 - 67.7 (Cyprinus carpio; Test duration: 6 weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>3.32 (Experimental value)</td>
</tr>
</tbody>
</table>

Bioaccumulative potential: Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

diethylenetriamine (111-40-0)

<table>
<thead>
<tr>
<th>Surface tension</th>
<th>0.044 N/m (25 °C)</th>
</tr>
</thead>
</table>

12.5. Other adverse effects

GWPmix comment: No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal 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>

<table>
<thead>
<tr>
<th>14.2. UN proper shipping name</th>
<th>AMINES, LIQUID, CORROSIVE, N.O.S.</th>
<th>AMINES, LIQUID, CORROSIVE, N.O.S.</th>
<th>Amines, liquid, corrosive, n.o.s.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport document description</td>
<td>UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, II, (E), ENVIRONMENTALLY HAZARDOUS</td>
<td>UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, II, MARINE POLLUTANT/ENVIRONMENTAL HAZARDOUS</td>
<td></td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>
RM 700, B  
Safety Data Sheet  
according to the Hazardous Products Regulation (February 11, 2015)

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 14.4. Packing group

<table>
<thead>
<tr>
<th>Packing group</th>
<th>II</th>
<th>II</th>
<th>II</th>
<th>II</th>
</tr>
</thead>
</table>

### 14.5. Environmental hazards

<table>
<thead>
<tr>
<th>Dangerous for the environment :</th>
<th>Yes</th>
<th>Yes</th>
<th>Yes</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine pollutant :</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

- Classification code (ADR)  
  C7
- Special provisions (ADR)  
  274
- Limited quantities (ADR)  
  1 L
- Packing instructions (ADR)  
  P001, IBC02
- Mixed packing provisions (ADR)  
  MP15
- Orange plates  
  80  
  2735
- 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)  
  1 L
- CAO packing instructions (IATA)  
  855
- Special provisions (IATA)  
  A3

#### - Rail transport

- Special provisions (RID)  
  274
- Limited quantities (RID)  
  1 L
- 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. National regulations
diethylenetriamine (111-40-0)
Listed on the Canadian DSL (Domestic Substances List)

4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

diethylenetriamine (111-40-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Modified Polyamide
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor None
Date of issue 04/18/2016
Revision date 04/26/2016
Supersedes 04/25/2016

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>

SDS_CA_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 of the substance/mixture and of the company/undertaking

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>RM 700, C</td>
</tr>
<tr>
<td>EC-No.</td>
<td>238-878-4</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>14808-60-7</td>
</tr>
<tr>
<td>Product code</td>
<td>BU Fire Protection</td>
</tr>
</tbody>
</table>

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 (Canada) Corp.
2360 Meadowpine Boulevard
L5N 6S2 Mississauga, Ontario - Canada
T +1905 8139200
1-800-363-4458 toll free - F +1 905 813 9009

Supplier
Hilti (Canada) Corp.
2360 Meadowpine Boulevard
L5N 6S2 Mississauga, Ontario - Canada
T +1905 8139200
1-800-363-4458 toll free - F +1 905 813 9009

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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

<table>
<thead>
<tr>
<th>Eye Irrit. 2B</th>
<th>H320</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carc. 1A</td>
<td>H350</td>
</tr>
<tr>
<td>STOT RE 1</td>
<td>H372</td>
</tr>
</tbody>
</table>

Full text of H statements: see section 16

2.2. Label elements

GHS-CA labelling
Hazard pictograms (GHS-CA)

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

Precautionary statements (GHS-CA)
P260 - Do not breathe dust.
P280 - Wear eye protection, protective gloves, protective clothing.
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-CA)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Chemical name / Synonyms</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-CA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>(CAS-No.) 14808-60-7</td>
<td>100</td>
<td></td>
<td>Carc. 1A, H350</td>
</tr>
</tbody>
</table>

Full text of hazard classes and 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, both acute and delayed
No additional information available

4.3. Immediate medical attention and special treatment, if necessary
Other medical advice or treatment: Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

5.2. Unsuitable extinguishing media
No additional information available

5.3. Specific hazards arising from the hazardous product
No additional information available

5.4. Special protective equipment and precautions for fire-fighters
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
No additional information available

6.2. Methods and materials 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.

6.3. Reference to other sections
For further information refer to section 8: “Exposure controls/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.
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
5 - 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Appropriate engineering controls
Appropriate engineering controls
Ensure good ventilation of the work station.
Environmental exposure controls
Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment
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
Physical state
Solid
Appearance
Powder.
Colour
white.
SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability Stable under normal conditions.
Possibility of hazardous reactions No dangerous reactions known under normal conditions of use.
Conditions to avoid None under recommended storage and handling conditions (see section 7).
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) Not classified
Acute toxicity (dermal) Not classified
Acute toxicity (inhalation) Not classified
Skin corrosion/irritation Not classified
Serious eye damage/irritation Causes eye irritation.
Respiratory or skin sensitization Not classified
Germ cell mutagenicity Not classified
Carcinogenicity May cause cancer.
Reproductive toxicity Not classified
STOT-single exposure Not classified
STOT-repeated exposure: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard: Not classified

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
GWPmix comment: No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal 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

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
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</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not regulated for transport</td>
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<td></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>
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<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></td>
<td></td>
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</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. National regulations

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

15.2. International regulations

Quartz (14808-60-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor None
Date of issue 01/09/2018
Revision date 01/09/2018
Supersedes 04/18/2016

Full text of H-statements:

<table>
<thead>
<tr>
<th>H320</th>
<th>Causes eye irritation</th>
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<tbody>
<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>

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.