

# RM 710

## Safety information for 3-Component-products

Date of issue: 18/04/2016

Revision date: 18/04/2016

Supersedes: 29/06/2015

Version: 2.0

### SECTION 1: Kit identification

#### 1.1 Product identifier

Name RM 710  
Product code BU Chemicals

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

Hilti, Inc.  
Legacy Tower, Suite 1000  
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

|                       |      |
|-----------------------|------|
| Acute Tox. 4 (Oral)   | H302 |
| Acute Tox. 4 (Dermal) | H312 |
| Skin Corr. 1A         | H314 |
| Eye Dam. 1            | H318 |
| Skin Sens. 1          | H317 |
| Carc. 1A              | H350 |
| Repr. 2               | H361 |
| STOT SE 3             | H335 |
| STOT RE 1             | H372 |

#### Label elements

##### GHS-US labeling

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, vapors  
P280 - Wear eye protection, protective clothing, protective gloves  
P302+P352 - IF ON SKIN: Wash with plenty of soap and 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

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## Safety information for 3-Component-products

P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### Additional information

| Name      | General description | Quantity | Unit         | GHS-US classification  |
|-----------|---------------------|----------|--------------|--|
| RM 710, B |                     | 1        | pcs (pieces) | Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Muta. 2, H341<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| RM 710, A |                     | 1        | pcs (pieces) | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   |

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

| Name      | General description | Quantity | Unit         |
|-----------|---------------------|----------|--------------|
| RM 710, C |                     | 1        | pcs (pieces) |

### SECTION 4: General advice

No data available

### SECTION 5: Safe handling advice

|                               |  |
|-------------------------------|--|
| Environmental precautions     | Avoid release to the environment<br>Prevent entry to sewers and public waters  |
| Storage conditions            | Store locked up<br>Store in a well-ventilated place<br>Keep cool   |
| Precautions for safe handling | Ensure good ventilation of the work station<br>Obtain special instructions before use<br>Do not handle until all safety precautions have been read and understood<br>Avoid contact with skin and eyes<br>Do not breathe dust<br>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<br>Remove contact lenses, if present and easy to do. Continue rinsing<br>Call a physician immediately |
| First-aid measures after ingestion    | Rinse mouth<br>Do not induce vomiting<br>Call a physician immediately   |
| First-aid measures after inhalation   | Remove person to fresh air and keep comfortable for breathing<br>If you feel unwell, seek medical advice  |
| First-aid measures after skin contact | Rinse skin with water/shower<br>Remove/Take off immediately all contaminated clothing<br>Call a physician immediately                                 |
| Symptoms/injuries after eye contact   | Serious damage to eyes  |
| Symptoms/injuries after ingestion     | Burns   |

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## Safety information for 3-Component-products

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Symptoms/injuries 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

# RM 710, A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/18/2016

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Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

|              |              |
|--------------|--------------|
| Product form | Mixture      |
| Name         | RM 710, A    |
| Product code | BU Chemicals |

#### 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  
75024 Plano - USA  
T +1 9724035800  
1-800-879-8000 toll free - F +1 918 254 0522

#### Supplier

Hilti, Inc.  
Legacy Tower, Suite 1000  
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](mailto:chemicals.hse@hilti.com)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

|                       |  |
|-----------------------|--|
| Acute Tox. 4 (Dermal) | H312 - Harmful in contact with skin            |
| Skin Corr. 1A         | H314 - Causes severe skin burns and eye damage |
| Eye Irrit. 2A         | H319 - Causes serious eye irritation           |
| Skin Sens. 1          | H317 - May cause an allergic skin reaction     |

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



GHS05



GHS07

Signal word (GHS-US)

Danger

Hazard statements (GHS-US)

H312 - Harmful in contact with skin  
H314 - Causes severe skin burns and eye damage

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## Precautionary statements (GHS-US)

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

P260 - Do not breathe vapors

P280 - Wear protective clothing, eye protection, protective gloves

P302+P352 - If on skin: Wash with plenty of water/...

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention

## 2.3. Other hazards

No additional information available

## 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

## 3.1. Substance

Not applicable

## 3.2. Mixture

| Name  | Product identifier  | %     | GHS-US classification   |
|---|---------------------|-------|---|
| Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 | (CAS No) 25068-38-6 | >= 80 | Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |

Full text of H-phrases: 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/doctor/physician if you feel unwell.

## 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact

Irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact

Eye irritation.

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Suitable extinguishing media

Water spray. Dry powder. Foam. Carbon dioxide.

## 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.

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### 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 vapors.

##### 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 vapors.  |
| 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

No additional information available

#### 8.2. Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | Ensure good ventilation of the work station.                              |
| 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 | Liquid |
| Color          | amber  |

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|   |                        |
|---|------------------------|
| Odor  | odorless               |
| Odor threshold                              | No data available      |
| pH  | No data available      |
| Melting point                               | Not applicable         |
| Freezing point                              | No data available      |
| Boiling point                               | > 200 °F               |
| Flash point                                 | > 302 °F               |
| Relative evaporation rate (butyl acetate=1) | No data available      |
| Flammability (solid, gas)                   | No data available      |
| Explosion limits                            | No data available      |
| Explosive properties                        | No data available      |
| Oxidizing properties                        | No data available      |
| Vapor pressure                              | No data available      |
| Relative density                            | No data available      |
| Relative vapor density at 20 °C             | No data available      |
| Specific gravity / density                  | 1.13 g/cm <sup>3</sup> |
| Solubility                                  | insoluble in water.    |
| Log Pow                                     | No data available      |
| Auto-ignition temperature                   | No data available      |
| Decomposition temperature                   | No data available      |
| Viscosity                                   | 800 - 1800 cP          |
| Viscosity, kinematic                        | No data available      |
| Viscosity, dynamic                          | No data available      |

No additional information available

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

Stable under normal conditions.

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

None under recommended storage and handling conditions (see section 7).

No additional information available

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

Acute toxicity Dermal: Harmful in contact with skin.

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|  |  |
|--|--|
| <b>RM 710, A</b>   |  |
| ATE US (dermal)  | 1100.000 mg/kg body weight   |
| <b>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</b> |  |
| LD50 oral rat  | > 2000 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value) |
| LD50 dermal rat  | > 2000 mg/kg (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)                          |
| Skin corrosion/irritation  | Causes severe skin burns and eye damage.   |
| 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   |
| Specific target organ toxicity (single exposure)                               | Not classified   |
| Specific target organ toxicity (repeated exposure)                             | Not classified   |
| Aspiration hazard  | Not classified   |
| Symptoms/injuries after skin contact   | Irritation. May cause an allergic skin reaction.   |
| Symptoms/injuries after eye contact  | Eye irritation.  |

## SECTION 12: Ecological information

### 12.1. Toxicity

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

|  |   |
|--|---|
| <b>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</b> |   |
| LC50 fish 1  | 1.2 mg/l (96 h; Oncorhynchus mykiss; Lethal)                |
| EC50 Daphnia 1   | 1.1 - 2.8 mg/l (48 h; Daphnia magna; Locomotor effect)      |
| LC50 fish 2  | 2.3 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration) |
| Threshold limit algae 1  | > 11 mg/l (72 h; Scenedesmus sp.)                           |
| Threshold limit algae 2  | 4.2 mg/l (72 h; Scenedesmus sp.)                            |

### 12.2. Persistence and degradability

|  |  |
|--|--|
| <b>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</b> |  |
| Persistence and degradability  | Not readily biodegradable in water. Hydrolysis in water. Low potential for adsorption in soil. |

### 12.3. Bioaccumulative potential

|  |  |
|--|--|
| <b>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</b> |  |
| BCF other aquatic organisms 1  | 3 - 31   |
| Log Pow  | >= 2.918 (Experimental value; EU Method A.8: Partition Coefficient; 25 °C) |
| Bioaccumulative potential  | Low potential for bioaccumulation (BCF < 500).                             |

### 12.4. Mobility in soil

|  |                      |
|--|----------------------|
| <b>Bisphenol-A-Epichlorhydrin Epoxy resin Average MW &lt; 700 (25068-38-6)</b> |                      |
| Surface tension  | 0.0 587-0.0589,20 °C |

### 12.5. Other adverse effects

Effect on the global warming No known ecological damage caused by this product.



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                                |   |
|--------------------------------|---|
| Waste treatment methods        | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Waste 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

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

|                             |                |
|-----------------------------|----------------|
| Proper Shipping Name (ADR)  | Not applicable |
| Proper Shipping Name (IMDG) | Not applicable |
| Proper Shipping Name (IATA) | Not applicable |
| Proper Shipping Name (ADN)  | Not applicable |
| Proper Shipping Name (RID)  | Not applicable |

#### 14.3. Transport hazard class(es)

##### ADR

|                                  |                |
|----------------------------------|----------------|
| Transport hazard class(es) (ADR) | Not applicable |
|----------------------------------|----------------|

##### IMDG

|                                   |                |
|-----------------------------------|----------------|
| Transport hazard class(es) (IMDG) | Not applicable |
|-----------------------------------|----------------|

##### IATA

|                                   |                |
|-----------------------------------|----------------|
| Transport hazard class(es) (IATA) | Not applicable |
|-----------------------------------|----------------|

##### ADN

|                                  |                |
|----------------------------------|----------------|
| Transport hazard class(es) (ADN) | Not applicable |
|----------------------------------|----------------|

##### RID

|                                  |                |
|----------------------------------|----------------|
| Transport hazard class(es) (RID) | Not applicable |
|----------------------------------|----------------|

#### 14.4. Packing group

|                      |                |
|----------------------|----------------|
| Packing group (ADR)  | Not applicable |
| Packing group (IMDG) | Not applicable |
| Packing group (IATA) | Not applicable |
| Packing group (ADN)  | Not applicable |
| Packing group (RID)  | Not applicable |

#### 14.5. Environmental hazards

|                               |  |
|-------------------------------|--|
| Dangerous for the environment | Yes (ADR 5.2.1.8.1 derogation applies (quantity of liquids < 5 liters or net mass of solids < 5 kg)) |
| Marine pollutant              | Yes (ADR 5.2.1.8.1 derogation applies (quantity of liquids < 5 liters or net mass of solids < 5 kg)) |
| Other information             | No supplementary information available   |

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### 14.6. Special precautions for user

#### - Overland transport

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

Carriage prohibited (ADN) No

Not subject to ADN No

#### - 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

| Bisphenol-A-Epichlorhydrin Epoxy resin Average MW < 700 (25068-38-6)      |  |
|---|--|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |  |
| EPA TSCA Regulatory Flag  | XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e., Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)). |

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

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

Acute Tox. 4 (Oral) H302

Acute Tox. 4 (Inhalation) H332

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

No additional information available

## SECTION 16: Other information

Revision date

04/18/2016

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Full text of H-phrases:

|                       |  |
|-----------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4                               |
| Aquatic Chronic 2     | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Eye Irrit. 2A         | Serious eye damage/eye irritation Category 2A                    |
| Skin Corr. 1A         | Skin corrosion/irritation Category 1A                            |
| Skin Irrit. 2         | Skin corrosion/irritation Category 2                             |
| Skin Sens. 1          | Skin sensitization Category 1                                    |
| H312                  | Harmful in contact with skin                                     |
| H314                  | Causes severe skin burns and eye damage                          |
| 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                  |

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*

# RM 710, B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/18/2016

Revision date: 04/18/2016

Supersedes: 04/18/2016

Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

|              |              |
|--------------|--------------|
| Product form | Mixture      |
| Name         | RM 710, B    |
| Product code | BU Chemicals |

#### 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  
75024 Plano - USA  
T +1 9724035800  
1-800-879-8000 toll free - F +1 918 254 0522

#### Supplier

Hilti, Inc.  
Legacy Tower, Suite 1000  
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<br>Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)<br>Tel.: 703 527 3887 (Other countries)<br>+1 918 8723000<br>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             |
| 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                    |
| Eye Dam. 1            | H318 - Causes serious eye damage                           |

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



GHS05



GHS07



GHS08

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|                                   |   |
|-----------------------------------|---|
| Signal word (GHS-US)              | Danger  |
| Hazard statements (GHS-US)        | H302+H312 - Harmful if swallowed or in contact with skin<br>H314 - Causes severe skin burns and eye damage<br>H317 - May cause an allergic skin reaction<br>H335 - May cause respiratory irritation<br>H361 - Suspected of damaging fertility or the unborn child   |
| Precautionary statements (GHS-US) | P260 - Do not breathe vapors<br>P280 - Wear eye protection, protective clothing, protective gloves<br>P302+P352 - If on skin: Wash with plenty of water<br>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing<br>P308+P313 - If exposed or concerned: Get medical advice/attention<br>P403+P233 - Store in a well-ventilated place. Keep container tightly closed |

**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. Substance**

Not applicable

**3.2. Mixture**

| Name                                      | Product identifier | %       | GHS-US classification  |
|---|--------------------|---------|--|
| diethylenetriamine                        | (CAS No) 111-40-0  | 60 - 80 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 2 (Inhalation:vapour), H330<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT SE 3, H335 |
| 4,4'-isopropylidenediphenol (Bisphenol-A) | (CAS No) 80-05-7   | 40 - 60 | Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Repr. 2, H361<br>STOT SE 3, H335   |

Full text of H-phrases: 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/doctor/physician if you feel unwell.                           |
| First-aid measures after skin contact | Rinse skin with water/shower. Remove/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/injuries after skin contact | Burns. May cause an allergic skin reaction. |
| Symptoms/injuries after eye contact  | Serious damage to eyes.                     |
| Symptoms/injuries after ingestion    | Burns.                                      |

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide.

#### 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 vapors.

##### 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 vapors.  
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

| diethylenetriamine (111-40-0) |                 |   |
|-------------------------------|-----------------|---|
| ACGIH                         | ACGIH TWA (ppm) | 1 ppm (Diethylene triamine; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |

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### 8.2. Exposure controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | Ensure good ventilation of the work station. |
| Hand protection                  | Protective gloves.                           |
| Eye protection                   | Safety glasses.                              |
| Skin and body protection         | Wear suitable protective clothing.           |
| Respiratory protection           | 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

|   |                        |
|---|------------------------|
| Physical state                              | Liquid                 |
| Color                                       | Blue                   |
| Odor  | Amine-like             |
| Odor threshold                              | No data available      |
| pH  | No data available      |
| Melting point                               | Not applicable         |
| Freezing point                              | No data available      |
| Boiling point                               | 155 - 401 °F           |
| Flash point                                 | > 212 °F               |
| Relative evaporation rate (butyl acetate=1) | No data available      |
| Flammability (solid, gas)                   | No data available      |
| Explosion limits                            | No data available      |
| Explosive properties                        | No data available      |
| Oxidizing properties                        | No data available      |
| Vapor pressure                              | No data available      |
| Relative density                            | No data available      |
| Relative vapor density at 20 °C             | No data available      |
| Specific gravity / density                  | 1.01 g/cm <sup>3</sup> |
| Solubility                                  | No data available      |
| Log Pow                                     | No data available      |
| Auto-ignition temperature                   | No data available      |
| Decomposition temperature                   | No data available      |
| Viscosity                                   | 150 - 350 cP           |
| Viscosity, kinematic                        | No data available      |
| Viscosity, dynamic                          | No data available      |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

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

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### 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.

| RM 710, B   |                            |
|---|----------------------------|
| ATE US (oral)                                       | 1542.857 mg/kg body weight |
| ATE US (dermal)                                     | 1557.143 mg/kg body weight |
| diethylenetriamine (111-40-0)                       |                            |
| LD50 oral rat                                       | 1080 mg/kg (Rat)           |
| LD50 dermal rabbit                                  | 1090 mg/kg (Rabbit)        |
| ATE US (oral)                                       | 1080.000 mg/kg body weight |
| ATE US (dermal)                                     | 1090.000 mg/kg body weight |
| ATE US (vapors)                                     | 0.500 mg/l/4h              |
| 4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7) |                            |
| LD50 oral rat                                       | 3300 mg/kg (Rat)           |
| LD50 dermal rabbit                                  | 3600 mg/kg (Rabbit)        |
| ATE US (oral)                                       | 3300.000 mg/kg body weight |
| ATE US (dermal)                                     | 3600.000 mg/kg body weight |

|  |  |
|--|--|
| Skin corrosion/irritation                          | Causes severe skin burns and eye damage.             |
| Serious eye damage/irritation                      | Causes serious eye damage.                           |
| 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. |
| Specific target organ toxicity (single exposure)   | May cause respiratory irritation.                    |
| Specific target organ toxicity (repeated exposure) | Not classified                                       |
| Aspiration hazard                                  | Not classified                                       |
| Symptoms/injuries after skin contact               | Burns. May cause an allergic skin reaction.          |
| Symptoms/injuries after eye contact                | Serious damage to eyes.                              |
| Symptoms/injuries 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) |                           |
|-------------------------------|---------------------------|
| LC50 fish 1                   | 430 mg/l (LC50; 96 h)     |
| EC50 Daphnia 1                | 17 - 64 mg/l (EC50; 48 h) |



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| diethylenetriamine (111-40-0)                       |   |
|---|---|
| EC50 other aquatic organisms 1                      | 1164 mg/l (72 h; Selenastrum capricornutum)     |
| 4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7) |   |
| LC50 fish 1   | 9.9 mg/l (96 h; Brachydanio rerio; GLP)         |
| EC50 Daphnia 1                                      | 3.9 mg/l (48 h; Daphnia magna; GLP)             |
| LC50 fish 2   | 4.6 - 4.7 mg/l (96 h; Pimephales promelas; GLP) |
| EC50 Daphnia 2                                      | 10 mg/l (48 h; Daphnia magna)                   |
| Threshold limit algae 1                             | 2.7 - 3.1,96 h; Selenastrum capricornutum; GLP  |

### 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) |  |
| Persistence and degradability                       | Readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Adsorbs into the soil. Photolysis in the air. Photodegradation in the air. |
| Chemical oxygen demand (COD)                        | 0.036 g O <sub>2</sub> /g substance  |
| ThOD  | 2.5 g O <sub>2</sub> /g substance  |

### 12.3. Bioaccumulative potential

| diethylenetriamine (111-40-0)                       |  |
|---|--|
| BCF fish 1  | < 6.3 (BCF)  |
| Log Pow   | -1.3   |
| 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 ecological damage caused by 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.  
Waste 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

### 14.1. UN number

UN-No. (ADR) 2735  
UN-No. (IMDG) 2735  
UN-No. (IATA) 2735

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UN-No. (ADN) 2735  
UN-No. (RID) 2735

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) AMINES, LIQUID, CORROSIVE, N.O.S.  
Proper Shipping Name (IMDG) AMINES, LIQUID, CORROSIVE, N.O.S.  
Proper Shipping Name (IATA) Amines, liquid, corrosive, n.o.s.  
Proper Shipping Name (ADN) AMINES, LIQUID, CORROSIVE, N.O.S.  
Proper Shipping Name (RID) AMINES, LIQUID, CORROSIVE, N.O.S.  
Transport document description (ADR) UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, II, (E), ENVIRONMENTALLY HAZARDOUS  
Transport document description (IMDG) UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) 8  
Hazard labels (ADR) 8



#### IMDG

Transport hazard class(es) (IMDG) 8  
Hazard labels (IMDG) 8



#### IATA

Transport hazard class(es) (IATA) 8  
Hazard labels (IATA) 8



#### ADN

Transport hazard class(es) (ADN) 8  
Hazard labels (ADN) 8



#### RID

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Transport hazard class(es) (RID) 8  
Hazard labels (RID) 8



### 14.4. Packing group

Packing group (ADR) II  
Packing group (IMDG) II  
Packing group (IATA) II  
Packing group (ADN) II  
Packing group (RID) II

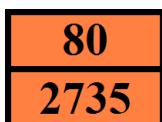
### 14.5. Environmental hazards

Dangerous for the environment Yes  
Marine pollutant Yes  
Other information No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

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



Tunnel restriction code (ADR) E

#### - Transport by sea

Special provision (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  
Special provision (IATA) A3

#### - Inland waterway transport

Classification code (ADN) C7  
Special provision (ADN) 274  
Limited quantities (ADN) 1 L

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|                                   |             |
|-----------------------------------|-------------|
| Excepted quantities (ADN)         | E2          |
| Carriage permitted (ADN)          | T           |
| Equipment required (ADN)          | PP, EP      |
| Number of blue cones/lights (ADN) | 0           |
| Carriage prohibited (ADN)         | No          |
| Not subject to ADN                | No          |
| <b>- Rail transport</b>           |             |
| Special provision (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

|  |
|--|
| <b>diethylenetriamine (111-40-0)</b>   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory  |
| <b>4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7)</b>   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 |

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

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

|   |      |
|---|------|
| Acute Tox. 4 (Inhalation:dust,mist)                           | H332 |
| Skin Corr. 1B   | H314 |
| Eye Dam. 1  | H318 |
| Skin Sens. 1  | H317 |
| Muta. 2   | H341 |
| STOT RE 2   | H373 |
| Aquatic Acute 1   | H400 |
| Aquatic Chronic 1   | H410 |
| Full text of hazard classes and H-statements : see section 16 |      |

#### National regulations

No additional information available

### 15.3. US State regulations

| <b>4,4'-isopropylidenediphenol (Bisphenol-A) (80-05-7)</b> |   |   |   |                                   |
|--|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List      | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | Non-significant risk level (NSRL) |
| No   | No  | Yes   | Yes   |                                   |

## SECTION 16: Other information

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Full text of H-phrases:

|                                  |   |
|----------------------------------|---|
| Acute Tox. 2 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 2               |
| Acute Tox. 4 (Dermal)            | Acute toxicity (dermal) Category 4                          |
| Acute Tox. 4 (Oral)              | Acute toxicity (oral) Category 4                            |
| Eye Dam. 1                       | Serious eye damage/eye irritation Category 1                |
| Repr. 2                          | Reproductive toxicity Category 2                            |
| Skin Corr. 1A                    | Skin corrosion/irritation Category 1A                       |
| Skin Corr. 1B                    | Skin corrosion/irritation Category 1B                       |
| Skin Sens. 1                     | Skin sensitization Category 1                               |
| STOT SE 3                        | Specific target organ toxicity (single exposure) Category 3 |
| H302                             | Harmful if swallowed  |
| H312                             | Harmful in contact with skin                                |
| H314                             | Causes severe skin burns and eye damage                     |
| H317                             | May cause an allergic skin reaction                         |
| H318                             | Causes serious eye damage                                   |
| H330                             | Fatal if inhaled  |
| H335                             | May cause respiratory irritation                            |
| H361                             | Suspected of damaging fertility or the unborn child         |

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*

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Date of issue: 04/18/2016

Revision date: 04/18/2016

Supersedes: 04/18/2016

Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

|              |              |
|--------------|--------------|
| Product form | Mixture      |
| Name         | RM 710, C    |
| Product code | BU Chemicals |

#### 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  
75024 Plano - USA  
T +1 9724035800  
1-800-879-8000 toll free - F +1 918 254 0522

#### Supplier

Hilti, Inc.  
Legacy Tower, Suite 1000  
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<br>Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)<br>Tel.: 703 527 3887 (Other countries)<br>+1 918 8723000<br>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-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



GHS08

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

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### Precautionary statements (GHS-US)

P260 - Do not breathe dust  
P280 - Wear eye protection, protective clothing, protective gloves  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name   | Product identifier  | %     | GHS-US classification |
|--------|---------------------|-------|-----------------------|
| Quartz | (CAS No) 14808-60-7 | >= 80 | Carc. 1A, H350        |

Full text of H-phrases: 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/doctor/physician if you feel unwell.      |

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

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.

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### 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

| Quartz (14808-60-7) |               |                    |
|---------------------|---------------|--------------------|
| OSHA                | Remark (OSHA) | (3) See Table Z-3. |

### 8.2. Exposure controls

Appropriate engineering controls

Ensure good ventilation of the work station.

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.

Color

white

Odor

Odourless.

Odor threshold

No data available

pH

No data available

Melting point

No data available

Freezing point

Not applicable

Boiling point

No data available



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|   |                   |
|---|-------------------|
| Flash point                                 | Not applicable    |
| Relative evaporation rate (butyl acetate=1) | No data available |
| Flammability (solid, gas)                   | No data available |
| Explosion limits                            | Not applicable    |
| Explosive properties                        | No data available |
| Oxidizing properties                        | No data available |
| Vapor pressure                              | No data available |
| Relative density                            | Not applicable    |
| Relative vapor density at 20 °C             | No data available |
| Solubility                                  | No data available |
| Log Pow                                     | No data available |
| Auto-ignition temperature                   | Not applicable    |
| Decomposition temperature                   | No data available |
| Viscosity                                   | No data available |
| Viscosity, kinematic                        | Not applicable    |
| Viscosity, dynamic                          | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                   |                        |
|-----------------------------------|------------------------|
| Acute toxicity                    | 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.      |

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| Quartz (14808-60-7)                                |   |
|--|---|
| IARC group   | 1 - Carcinogenic to humans                                      |
| Reproductive toxicity                              | Not classified  |
| Specific target organ toxicity (single exposure)   | Not classified  |
| Specific target organ toxicity (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 or 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 ecological damage caused by 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

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

|                             |                |
|-----------------------------|----------------|
| Proper Shipping Name (ADR)  | Not applicable |
| Proper Shipping Name (IMDG) | Not applicable |
| Proper Shipping Name (IATA) | Not applicable |
| Proper Shipping Name (ADN)  | Not applicable |
| Proper Shipping Name (RID)  | Not applicable |

### 14.3. Transport hazard class(es)

|                                  |                |
|----------------------------------|----------------|
| <b>ADR</b>                       |                |
| Transport hazard class(es) (ADR) | Not applicable |

**IMDG**

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|                                   |                |
|-----------------------------------|----------------|
| Transport hazard class(es) (IMDG) | Not applicable |
|-----------------------------------|----------------|

### IATA

|                                   |                |
|-----------------------------------|----------------|
| Transport hazard class(es) (IATA) | Not applicable |
|-----------------------------------|----------------|

### ADN

|                                  |                |
|----------------------------------|----------------|
| Transport hazard class(es) (ADN) | Not applicable |
|----------------------------------|----------------|

### RID

|                                  |                |
|----------------------------------|----------------|
| Transport hazard class(es) (RID) | Not applicable |
|----------------------------------|----------------|

## 14.4. Packing group

|                      |                |
|----------------------|----------------|
| Packing group (ADR)  | Not applicable |
| Packing group (IMDG) | Not applicable |
| Packing group (IATA) | Not applicable |
| Packing group (ADN)  | Not applicable |
| Packing group (RID)  | Not applicable |

## 14.5. Environmental hazards

|                               |  |
|-------------------------------|--|
| Dangerous for the environment | No                                     |
| Marine pollutant              | No                                     |
| Other information             | No supplementary information available |

## 14.6. Special precautions for user

### - Overland transport

### - Transport by sea

No data available

### - Air transport

No data available

### - Inland waterway transport

|                           |    |
|---------------------------|----|
| Carriage prohibited (ADN) | No |
| Not subject to ADN        | No |

### - 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

#### Quartz (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

No additional information available

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### EU-Regulations

No additional information available

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

Not classified

### National regulations

|  |
|--|
| <b>Quartz (14808-60-7)</b>                                   |
| Listed on IARC (International Agency for Research on Cancer) |

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Revision date

04/18/2016

Full text of H-phrases:

|               |  |
|---------------|--|
| Carc. 1A      | Carcinogenicity Category 1A                                    |
| Eye Irrit. 2B | Serious eye damage/eye irritation Category 2B                  |
| STOT RE 1     | Specific target organ toxicity (repeated exposure) Category 1  |
| H320          | Causes eye irritation  |
| H350          | May cause cancer   |
| H372          | Causes damage to organs through prolonged or repeated exposure |

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*