SECTION 1: Kit identification

1.1 Product identifier

Name: HIT-HY 10 PLUS

Product code: BU Anchor

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

Storage

Storage temperature: 5 - 25 °C

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

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

SECTION 3: Kit contents

Classification of the Product

GHS-US classification

Eye Irrit. 2  H319
Skin Sens. 1  H317
Aquatic Acute 1  H400

Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

Signal word (GHS-US)  Warning
Hazardous ingredients  methacrylates, dibenzoyl peroxide
Hazard statements (GHS-US)  H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life
Precautionary statements (GHS-US)  P262 - Do not get in eyes, on skin, or on clothing
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
P302+P352 - IF ON SKIN: Wash with plenty of water
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
HIT-HY 10 PLUS

Safety information for 2-Component-products

Additional information

2-Component-foilpack, contains:
Component A: Urethane methacrylate resin, inorganic filler
Component B: Dibenzoyl peroxide, phlegmatized

<table>
<thead>
<tr>
<th>Name</th>
<th>General description</th>
<th>Quantity</th>
<th>Unit</th>
<th>GHS-US classification</th>
</tr>
</thead>
</table>
| HIT-HY 10 PLUS, A           |                     | 75       | pcs (pieces) | Eye Irrit. 2, H319  
Skin Sens. 1, H317          |
| HIT-HY 10 PLUS, B           |                     | 25       | pcs (pieces) | Skin Sens. 1, H317  
Aquatic Acute 1, H400       |

SECTION 4: General advice

General advice For professional users only

SECTION 5: Safe handling advice

Environmental precautions
Prevent entry to sewers and public waters
Notify authorities if liquid enters sewers or public waters
Storage conditions
Keep cool. Protect from sunlight
Precautions for safe handling
Wear personal protective equipment
Avoid contact with skin and eyes
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work
Provide good ventilation in process area to prevent formation of vapour
Methods for cleaning up
This material and its container must be disposed of in a safe way, and as per local legislation
Recover mechanically the product
Store away from other materials
For containment
Collect spillage
Incompatible materials
Sources of ignition
Direct sunlight
Incompatible products
Strong bases
Strong acids

SECTION 6: First aid measures

First-aid measures after eye contact
Rinse immediately with plenty of water
Remove contact lenses, if present and easy to do. Continue rinsing
Obtain medical attention if pain, blinking or redness persist
First-aid measures after ingestion
Rinse mouth
Drink plenty of water
Get medical advice/attention
Do not induce vomiting
Obtain emergency medical attention
First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing
Allow breathing of fresh air
Allow the victim to rest
First-aid measures after skin contact
Wash contaminated clothing before reuse
Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
First-aid measures general
Remove/Take off immediately all contaminated clothing

P337+P313 - If eye irritation persists: Get medical advice/attention
Never give anything by mouth to an unconscious person
If you feel unwell, seek medical advice (show the label where possible)

Symptoms/injuries after eye contact: May cause severe irritation
Symptoms/injuries after skin contact: May cause an allergic skin reaction

SECTION 7: Fire fighting measures

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

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

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

SECTION 8: Other information

No data available
SECTION 1: Identification

1.1. Identification

Product form: Mixture
Name: HIT-HY 10 PLUS, B
Product code: BU Anchor

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

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 Entwicklungsgesellschaft mbH
Hiltistrasse 6
86916 Kaufering - Deutschland
T +49 8191 906310 - F +49 8191 90176310
anchor.hse@hilti.com

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification:
Skin Sens. 1 H317 - May cause an allergic skin reaction
Aquatic Acute 1 H400 - Very toxic to aquatic life
Full text of H-statements: see section 16

2.2. Label elements

GHS-US labelling:
Hazard pictograms (GHS-US)

Signal word (GHS-US): Warning
Hazard statements (GHS-US):
H317 - May cause an allergic skin reaction
H400 - Very toxic to aquatic life
Precautionary statements (GHS-US):
P280 - Wear eye protection, protective clothing, protective gloves
P262 - Do not get in eyes, on skin, or on 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
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P302+P352 - If on skin: Wash with plenty of water
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>CAS No 14808-60-7</td>
<td>40 - 60</td>
<td>Carc. 1A, H350</td>
</tr>
<tr>
<td>dibenzoyl peroxide</td>
<td>CAS No 94-36-0</td>
<td>5 - 10</td>
<td>Org. Perox. B, H241</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general
Remove/Take off immediately all contaminated clothing. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow breathing of fresh air. Allow the victim to rest.

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

First-aid measures after eye contact
Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion

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

Symptoms/injuries after skin contact
May cause an allergic skin reaction.

Symptoms/injuries after eye contact
May cause severe irritation.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters

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

Protection during firefighting
Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Use personal protective equipment as required. Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

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

6.3. Methods and material for containment and cleaning up
For containment: Collect spillage.
Methods for cleaning up: This material and its container must be disposed of in a safe way, and as per local legislation. Recover mechanically the product. Store away from other materials.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep cool. Protect from sunlight.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.
Storage temperature: 5 - 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>OSHA</th>
<th>Remark (OSHA)</th>
<th>(3) See Table Z-3.</th>
</tr>
</thead>
<tbody>
<tr>
<td>quartz (14808-60-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGLIH dibenzoyl peroxide (94-36-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td>Remark (ACGIH)</td>
<td>URT &amp; skin irr</td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

Additional information: The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.
8.2. Exposure controls

Personal protective equipment
Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing.

Hand protection
Wear protective gloves.

Eye protection
Chemical goggles or safety glasses.

Skin and body protection
Wear suitable protective clothing.

Environmental exposure controls
Avoid release to the environment.

Consumer exposure controls
Avoid contact during pregnancy/while nursing.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Thixotropic paste</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>$\approx 6$</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Product is not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.7 g/cm³ DIN 51757</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not self-igniting</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>90 Pa.s HN-0333</td>
</tr>
</tbody>
</table>

9.2. Other information

SADT
65 °C

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No additional information available.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products
Fume. Carbon monoxide. Carbon dioxide. 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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dibenzoyl peroxide (94-36-0)</td>
<td>Not classified (LD50 oral rat: &gt; 5000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Weight of evidence))</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified (pH: ≈ 6)</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified (pH: ≈ 6)</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Quartz (14808-60-7)

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dibenzoyl peroxide (94-36-0)</td>
<td>Not classifiable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IARC group</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - Not classifiable</td>
<td></td>
</tr>
</tbody>
</table>

Reproductive toxicity Not classified
Specific target organ toxicity (single exposure) Not classified
Specific target organ toxicity (repeated exposure) Not classified
Aspiration hazard Not classified
Potential adverse human health effects and symptoms Based on available data, the classification criteria are not met.
Symptoms/injuries after skin contact May cause an allergic skin reaction.
Symptoms/injuries after eye contact May cause severe irritation.

SECTION 12: Ecological information

12.1. Toxicity
# HIT-HY 10 PLUS, B

## Safety Data Sheet

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

### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th><strong>dibenzoyl peroxide (94-36-0)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC50</strong> fish 1</td>
<td>2 mg/l (96 h; Poecilia reticulata)</td>
</tr>
<tr>
<td><strong>EC50</strong> Daphnia 1</td>
<td>0.07 mg/l</td>
</tr>
<tr>
<td><strong>LC50</strong> fish 2</td>
<td>0.0602 mg/l (96h; Oncorhynchus mykiss; ECHA)</td>
</tr>
<tr>
<td><strong>NOEC (acute)</strong></td>
<td>0.0316 mg/l (96h; Oncorhynchus mykiss; ECHA)</td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th><strong>dibenzoyl peroxide (94-36-0)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td></td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>Readily biodegradable in water. No (test)data on mobility of the substance available.</td>
</tr>
</tbody>
</table>

### 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.

**Other information**

Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Regional legislation (waste)**

Disposal must be done according to official regulations.

**Waste disposal recommendations**

Refer to manufacturer/supplier for information on recovery/recycling. Dispose of contents/container to Avoid release to the environment. Refer to manufacturer/supplier for information on recovery/recycling.

**Ecology - waste materials**

Avoid release to the environment.

## SECTION 14: Transport information

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

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

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

14.5. Environmental hazards

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

ADR 5.2.1.8.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg)

No supplementary information available

14.6. Special precautions for user

- Overland transport

- Transport by sea
  No data available

- Air transport
  No data available

- Rail transport
  Carriage prohibited (RID) No

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

SECTION 15: Regulatory information

15.1. US Federal regulations

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

<table>
<thead>
<tr>
<th>dibenzoyl peroxide (94-36-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject to reporting requirements of United States SARA Section 313</td>
</tr>
</tbody>
</table>

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

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

| Skin Sens. 1 | H317 |
| Aquatic Acute 1 | H400 |

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

National regulations

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

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

SECTION 16: Other information

Revision date 01/20/2016
Other information None.

Full text of H-statements:

<table>
<thead>
<tr>
<th>H-statement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Carc. 1A</td>
<td>Carcinogenicity, Category 1A</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation, Category 2A</td>
</tr>
<tr>
<td>Org. Perox. B</td>
<td>Organic Peroxides, Type B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, Category 1</td>
</tr>
<tr>
<td>H241</td>
<td>Heating may cause a fire or explosion</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
</tbody>
</table>

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

### 1.1. Identification

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>HIT-HY 10 PLUS, A</td>
</tr>
<tr>
<td>Product code</td>
<td>BU Anchor</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

**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 Entwicklungsgesellschaft mbH
Hiltistrasse 6
86916 Kaufering - Deutschland
T +49 8191 906310 - F +49 8191 90176310
anchor.hse@hilti.com

### 1.4. Emergency telephone number

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

**SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

**GHS-US classification**
- Eye Irrit. 2A  H319 - Causes serious eye irritation
- Skin Sens. 1  H317 - May cause an allergic skin reaction

Full text of H-statements: see section 16

### 2.2. Label elements

**GHS-US labelling**

**Hazard pictograms (GHS-US)**

![Hazard Pictogram](image)

**Signal word (GHS-US)**
Warning

**Hazard statements (GHS-US)**
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation

**Precautionary statements (GHS-US)**
- P280 - Wear eye protection, protective clothing, protective gloves
- P262 - Do not get in eyes, on skin, or on 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
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P302+P352 - If on skin: Wash with plenty of water
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>(CAS No) 14808-60-7</td>
<td>25 - 40</td>
<td>Carc. 1A, H350</td>
</tr>
<tr>
<td>2-Hydroxypropyl methacrylate</td>
<td>(CAS No) 27813-02-1</td>
<td>10 - 25</td>
<td>Eye Irrit. 2A, H319, Skin Sens. 1, H317</td>
</tr>
<tr>
<td>1,4-Butanediol dimethacrylate</td>
<td>(CAS No) 2082-81-7</td>
<td>1 - 2.5</td>
<td>Skin Sens. 1B, H317</td>
</tr>
<tr>
<td>1,1-(p-tolylimino)dipropan-2-ol</td>
<td>(CAS No) 38668-48-3</td>
<td>0.1 - 1</td>
<td>Acute Tox. 2 (Oral), H300, Eye Irrit. 2A, H319, Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>1,2-dihydroxybenzene, pyrocatechol</td>
<td>(CAS No) 120-80-9</td>
<td>0.1 - 1</td>
<td>Acute Tox. 3 (Oral), H301, Acute Tox. 3 (Dermal), H311, Acute Tox. 4 (Inhalation:dust,mist), H332, Skin Irrit. 2, H315, Eye Dam. 1, H318, Skin Sens. 1, H317, Muta. 2, H341</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general
Remove/Take off immediately all contaminated clothing. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow breathing of fresh air. Allow the victim to rest.

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

First-aid measures after eye contact
Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion

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

Symptoms/injuries after skin contact
May cause an allergic skin reaction.

Symptoms/injuries after eye contact
May cause severe irritation.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
No additional information available
5.3. Advice for firefighters
Firefighting instructions
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

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

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

6.1.2. For emergency responders
Protective equipment
Use personal protective equipment as required. Equip cleanup crew with proper protection.
Emergency procedures
Ventilate area.

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

6.3. Methods and material for containment and cleaning up
For containment
Collect spillage.
Methods for cleaning up
This material and its container must be disposed of in a safe way, and as per local legislation. Recover mechanically the product. Store away from other materials.
Other information
Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

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

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

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions
Keep cool. Protect from sunlight.
Incompatible products
Strong bases. Strong acids.
Incompatible materials
Sources of ignition. Direct sunlight.
Storage temperature
5 - 25 °C

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Quartz (14808-60-7)

<table>
<thead>
<tr>
<th>OSHA</th>
<th>Remark (OSHA)</th>
<th>(3) See Table Z-3.</th>
</tr>
</thead>
</table>

03/02/2016 EN (English)
1.2-dihydroxybenzene, pyrocatechol (120-80-9)

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

ACGIH Remark (ACGIH) Eye & URT irr; dermatitis

Additional information

The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

8.2. Exposure controls

Personal protective equipment
Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing.

Hand protection
Wear protective gloves.

Eye protection
Chemical goggles or safety glasses.

Skin and body protection
Wear suitable protective clothing.

Environmental exposure controls
Avoid release to the environment.

Consumer exposure controls
Avoid contact during pregnancy/while nursing.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid
Appearance Thixotropic paste.
Colour Light grey
Odour characteristic
Odour threshold Not determined
pH No data available
Melting point No data available
Freezing point No data available
Boiling point No data available
Flash point > 109 °C DIN EN ISO 1523
Relative evaporation rate (butylacetate=1) No data available
Flammability (solid, gas) No data available
Explosive limits No data available
Explosive properties Product is not explosive.
Oxidising properties No data available
Vapour pressure No data available
Relative density No data available
Relative vapour density at 20 °C No data available
Density 1.65 g/ml AW 4.3.23
Solubility No data available
Log Pow No data available
Auto-ignition temperature Not self-igniting
Decomposition temperature No data available
Viscosity No data available
Viscosity, kinematic No data available
Viscosity, dynamic 100 Pa.s HN-0333
9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
No additional information available

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products
No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>25 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>25,000 mg/kg bodyweight</td>
</tr>
<tr>
<td>1,4-Butanediol dimethacrylate (2082-81-7)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>10066 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 3000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>10066.000 mg/kg bodyweight</td>
</tr>
<tr>
<td>1,2-dihydroxybenzene, pyrocatechol (120-80-9)</td>
<td></td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>100.000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>300.000 mg/kg bodyweight</td>
</tr>
<tr>
<td>ATE US (dust,mist)</td>
<td>1.500 mg/l/4h</td>
</tr>
<tr>
<td>2-Hydroxypropyl methacrylate (27813-02-1)</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; &gt;=2000 mg/kg bodyweight; Rat; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt;= 5000 mg/kg bodyweight (Rabbit; Experimental value)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Not classified

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory or skin sensitisation
May cause an allergic skin reaction.

Germ cell mutagenicity
Not classified

Based on available data, the classification criteria are not met

Carcinogenicity
Not classified.
### Quartz (14808-60-7)

| IARC group          | 1 - Carcinogenic to humans |

### 1,2-dihydroxybenzene, pyrocatechol (120-80-9)

| IARC group          | 2B - Possibly carcinogenic to humans |

#### Reproductive toxicity
- Not classified

#### Specific target organ toxicity (single exposure)
- Based on available data, the classification criteria are not met

#### Specific target organ toxicity (repeated exposure)
- Not classified

#### Aspiration hazard
- Not classified

#### Potential adverse human health effects and symptoms

| Symptoms/injuries after skin contact | May cause an allergic skin reaction. |
| Symptoms/injuries after eye contact  | May cause severe irritation. |

### SECTION 12: Ecological information

#### 12.1. Toxicity

<table>
<thead>
<tr>
<th>Compound</th>
<th>LC50 fish</th>
<th>LC50 other aquatic organisms</th>
<th>EC50</th>
<th>NOEC (acute)</th>
<th>NOEC (chronic)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1’-(p-tolylimino)dipropan-2-ol (38668-48-3)</td>
<td>17 mg/l</td>
<td>245 mg/l</td>
<td>28.8 mg/l</td>
<td>57.8 mg/l</td>
<td></td>
</tr>
<tr>
<td>1,4-Butanediol dimethacrylate (2082-81-7)</td>
<td>32.5 mg/l</td>
<td>9.79 mg/l</td>
<td>7.51 mg/l</td>
<td>20 mg/l</td>
<td></td>
</tr>
<tr>
<td>1,2-dihydroxybenzene, pyrocatechol (120-80-9)</td>
<td>9.22 mg/l</td>
<td>22 mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compound</th>
<th>Threshold limit algae 1</th>
<th>Threshold limit algae 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Hydroxypropyl methacrylate (27813-02-1)</td>
<td>&gt; 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)</td>
<td>&gt; 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Compounds</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT-HY 10 PLUS, A</td>
<td>Not established.</td>
</tr>
<tr>
<td>1,4-Butanediol dimethacrylate (2082-81-7)</td>
<td>84 %</td>
</tr>
<tr>
<td>2-Hydroxypropyl methacrylate (27813-02-1)</td>
<td>Readily biodegradable in water. No (test)data on mobility of the substance available.</td>
</tr>
</tbody>
</table>
12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>HIT-HY 10 PLUS, A</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1,1’-(p-tolylimino)dipropan-2-ol (38668-48-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
</tr>
<tr>
<td>Log Kow</td>
</tr>
<tr>
<td>2.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1,4-Butanediol dimethacrylate (2082-81-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>3.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2-Hydroxypropyl methacrylate (27813-02-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
</tr>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>&lt;= 100 (Pisces)</td>
</tr>
<tr>
<td>3.2 (Pisces; QSAR)</td>
</tr>
</tbody>
</table>

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

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.

Other information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

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

<table>
<thead>
<tr>
<th>Proper Shipping Name (ADR)</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name (IMDG)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Proper Shipping Name (IATA)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Proper Shipping Name (ADN)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Proper Shipping Name (RID)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>ADR</th>
<th>Transport hazard class(es) (ADR)</th>
<th>Not applicable</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>IMDG</th>
<th>Transport hazard class(es) (IMDG)</th>
<th>Not applicable</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>IATA</th>
<th>Transport hazard class(es) (IATA)</th>
<th>Not applicable</th>
</tr>
</thead>
</table>
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
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

1,2-dihydroxybenzene, pyrocatechol (120-80-9)
Subject to reporting requirements of United States SARA Section 313
EPA TSCA Regulatory Flag T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
RQ (Reportable quantity, section 304 of EPA's List of Lists) 100 lb
15.2. International regulations

**CANADA**

No additional information available

**EU-Regulations**

No additional information available

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

Eye Irrit. 2  H319
Skin Sens. 1  H317

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

**National regulations**

1. **Quartz (14808-60-7)**
   - Listed on IARC (International Agency for Research on Cancer)

1,2-dihydroxybenzene, pyrocatechol (120-80-9)
   - Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

<table>
<thead>
<tr>
<th>1,2-dihydroxybenzene, pyrocatechol (120-80-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California - Proposition 65 - Carcinogens List</td>
</tr>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

Revision date 01/20/2016

Other information None.
**Full text of H-statements:**

<table>
<thead>
<tr>
<th>H-Statement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 2 (Oral)</td>
<td>Acute toxicity (oral), Category 2</td>
</tr>
<tr>
<td>Acute Tox. 3 (Dermal)</td>
<td>Acute toxicity (dermal), Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3 (Oral)</td>
<td>Acute toxicity (oral), Category 3</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation:dust,mist)</td>
<td>Acute toxicity (inhalation:dust,mist) Category 4</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 3</td>
</tr>
<tr>
<td>Carc. 1A</td>
<td>Carcinogenicity, Category 1A</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation, Category 2A</td>
</tr>
<tr>
<td>Muta. 2</td>
<td>Germ cell mutagenicity, Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1B</td>
<td>Sensitisation — Skin, category 1B</td>
</tr>
<tr>
<td>H300</td>
<td>Fatal if swallowed</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</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>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H341</td>
<td>Suspected of causing genetic defects</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</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.*