SECTION 1: Kit identification

1.1 Product identifier

Trade name HIT-HY 70

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
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

| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| Skin Sens. 1 | H317 |
| Repr. 1B | H360 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 3 | H412 |

Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

Signal word (GHS-US) Danger

Hazardous ingredients methacrylates, dibenzoyl peroxide

Hazard statements (GHS-US)

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child
H410 - Very toxic to aquatic life with long lasting effects

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
P302+P352 - IF ON SKIN: Wash with plenty of water
P337+P313 - If eye irritation persists: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

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>
<tbody>
<tr>
<td>HIT-HY 70, A</td>
<td></td>
<td>1</td>
<td>pcs (pieces)</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 1B, H360 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>HIT-HY 70, B</td>
<td></td>
<td>1</td>
<td>pcs (pieces)</td>
<td>Skin Sens. 1, H317 Aquatic Acute 1, H400</td>
</tr>
</tbody>
</table>

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
HIT-HY 70

Safety information for 2-Component-products

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

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 70, 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>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.

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

8.2. Exposure controls
Hand protection: Wear protective gloves.
Eye protection: Chemical goggles or safety glasses.
Skin and body protection: Wear suitable protective clothing.
HIT-HY 70, B
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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>≈ 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>&gt; 100 °C</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>Miscible with water.</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>70 - 110 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**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide (94-36-0)</td>
<td>Not classified</td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg bodyweight (Rat; Equivalent or similar to OECD 401; Weight of evidence)</td>
</tr>
</tbody>
</table>

**Skin corrosion/irritation**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide (94-36-0)</td>
<td>Not classified</td>
</tr>
<tr>
<td>pH: = 6</td>
<td></td>
</tr>
</tbody>
</table>

**Serious eye damage/irritation**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide (94-36-0)</td>
<td>Not classified</td>
</tr>
<tr>
<td>pH: = 6</td>
<td></td>
</tr>
</tbody>
</table>

**Respiratory or skin sensitisation**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide (94-36-0)</td>
<td>May cause an allergic skin reaction.</td>
</tr>
</tbody>
</table>

**Germ cell mutagenicity**

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

**Carcinogenicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide (94-36-0)</td>
<td>IARC group 3 - Not classifiable</td>
</tr>
</tbody>
</table>

**Reproductive toxicity**

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

**Specific target organ toxicity (single exposure)**

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

**Specific target organ toxicity (repeated exposure)**

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

**Aspiration hazard**

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

**Potential adverse human health effects and symptoms**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide (94-36-0)</td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
</tbody>
</table>

**Symptoms/injuries after skin contact**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>dibenzoyl peroxide (94-36-0)</td>
<td>May cause an allergic skin reaction.</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

#### 12.2. Persistence and degradability

**HIT-HY 70, B**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**dibenzoyl peroxide (94-36-0)**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Readily biodegradable in water. No (test)data on mobility of the substance available.</td>
</tr>
</tbody>
</table>

08/12/2015  EN (English)  8/20
12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>HIT-HY 70, B</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**dibenzoyl peroxide (94-36-0)**

| Log Pow | 3.71 (QSAR; 3.2; Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 22 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

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>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not regulated for transport</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.2. UN proper shipping name</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>14.3. Transport hazard class(es)</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>14.4. Packing group</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>14.5. Environmental hazards</td>
<td></td>
<td></td>
<td></td>
</tr>
<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>
<tr>
<td>ADR 5.2.1.8.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No supplementary information available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
14.6. Special precautions for user

- Overland transport

- Transport by sea
  No data available

- Air transport
  No data available

- Rail transport
  Carriage prohibited (RID)  No

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

SECTION 15: Regulatory information

15.1. 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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

dibenzoyl peroxide
  CAS No 94-36-0  5 - 10%

dibenzoyl peroxide (94-36-0)
  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]

Skin Sens. 1  H317
Aquatic Acute 1  H400
Full text of hazard classes and H-statements : see section 16

National regulations
  No additional information available

15.3. US State regulations

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

SECTION 16: Other information

Revision date  12/07/2015
Other information  None.
Full text of H-statements:

<table>
<thead>
<tr>
<th>Aquatic Acute 1</th>
<th>Hazardous to the aquatic environment — Acute Hazard, Category 1</th>
</tr>
</thead>
<tbody>
<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>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

Product form: Mixture
Name: HIT-HY 70, A
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 Irrit. 2 H315 - Causes skin irritation
Eye Irrit. 2A H319 - Causes serious eye irritation
Skin Sens. 1 H317 - May cause an allergic skin reaction
Repr. 1B H360 - May damage fertility or the unborn child
Aquatic Chronic 3 H412 - Harmful to aquatic life with long lasting effects

Full text of H-statements: see section 16

2.2. Label elements

GHS-US labelling
Hazard pictograms (GHS-US)

Signal word (GHS-US) Danger
Hazard statements (GHS-US) H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child
H412 - Harmful to aquatic life with long lasting effects

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
**Section 2: Other hazards**

No additional information available.

**Section 3: 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>
</table>
| 2-Hydroxypropyl methacrylate                              | (CAS No) 27813-02-1| 10 - 25 | Eye Irrit. 2A, H319  
Skin Sens. 1, H317 |
| Bisphenol-A-diehtoxy-methacrylate                         | (CAS No) 24448-20-2| 5 - 10 | Skin Irrit. 2, H315  
Eye Irrit. 2A, H319 |
| Tricyclodecane dimethanol dimethacrylate                  | (CAS No) 43048-08-4| 2.5 - 5 | Skin Irrit. 2, H315  
Eye Irrit. 2A, H319  
STOT SE 3, H335 |
| 1,1,1-Trimehtylolpropane trimethacrylate                  | (CAS No) 3290-92-4| 2.5 - 5 | Not classified |
| 1,1'-([p-tolylimino]dipropan-2-ol                         | (CAS No) 38668-48-3| 0.1 - 1 | Acute Tox. 2 (Oral), H300  
Eye Irrit. 2A, H319  
Aquatic Chronic 3, H412 |
| Boric acid                                                | (CAS No) 10043-35-3| 0.1 - 1 | Repr. 1B, H360 |
| 4-tert-butylpyrocatehol                                   | (CAS No) 98-29-3   | 0.1 - 1 | Acute Tox. 4 (Oral), H302  
Acute Tox. 4 (Dermal), H312  
Skin Sens. 1, H317  
Aquatic Chronic 2, H411 |

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).

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

Symptoms/injuries after skin contact

May cause an allergic skin reaction.

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

No additional information available.

**Section 5: Firefighting measures**

### 5.1 Extinguishing media

No additional information available.

### 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.
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
Emergency procedures: Ventilate area.

6.2. Environmental precautions
No additional information available

6.3. Methods and material for containment and cleaning up
No additional information available

6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
No additional information available

7.2. Conditions for safe storage, including any incompatibilities
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

8.2. Exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid
Appearance: Thixotropic paste.
Colour: Grey
Odour: Characteristic
Odour threshold: Not determined
HI T-HY 70, A
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

pH = 8 Not applicable
Melting point No data available
Freezing point No data available
Boiling point No data available
Flash point > 100 °C
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/cm³
Solubility insoluble in water.
Log Pow No data available
Auto-ignition temperature Not self-igniting
Decomposition temperature No data available
Viscosity No data available
Viscosity, kinematic ≈ 20 Seconds
Viscosity, dynamic 65 - 95 Pa.s

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
Acute toxicity Not classified
HIT-HY 70, A
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2-Hydroxypropyl methacrylate (27813-02-1)
- LD50 oral rat: > 5000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; >=2000 mg/kg bodyweight; Rat: Experimental value)
- LD50 dermal rabbit: >= 5000 mg/kg bodyweight (Rabbit; Experimental value)

1,1,1-Trimehtylolpropane trimethacrylate (3290-92-4)
- LD50 oral rat: > 5000 mg/kg
- LD50 dermal rat: > 3000 mg/kg

1,1′-(p-tolylimino)dipropan-2-ol (38668-48-3)
- LD50 oral rat: 25 mg/kg
- LD50 dermal rat: > 2000 mg/kg
- ATE US (oral): 25.000 mg/kg bodyweight

Boric acid (10043-35-3)
- LD50 oral rat: 2660 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; >2600 mg/kg bodyweight; Rat: Experimental value)
- LD50 dermal rabbit: > 2000 mg/kg Rabbit; Experimental value; FIFRA (40 CFR)
- ATE US (oral): 2660.000 mg/kg bodyweight

4-tert-butylypyrocatechol (98-29-3)
- LD50 oral rat: 815 mg/kg bodyweight (Rat; Lethal; ECHA)
- LD50 dermal rat: 1331 mg/kg bodyweight (Rat;Lethal; ECHA)
- LD50 dermal rabbit: (Rabbit)
- ATE US (oral): 815.000 mg/kg bodyweight
- ATE US (dermal): 1331.000 mg/kg bodyweight

Skin corrosion/irritation
- Causes skin irritation.
- pH: ≈ 8 Not applicable

Serious eye damage/irritation
- Causes serious eye irritation.
- pH: ≈ 8 Not applicable

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

Reproductive toxicity
- May damage fertility or the unborn child.

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.

SECTION 12: Ecological information

12.1. Toxicity
2-Hydroxypropyl methacrylate (27813-02-1)
- LC50 fish 1: 493 mg/l (48 h; Leuciscus idus; GLP)
- EC50 Daphnia 1: > 143 mg/l (48 h; Daphnia magna; GLP)
- Threshold limit algae 1: > 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)
## 2-Hydroxypropyl methacrylate (27813-02-1)

<table>
<thead>
<tr>
<th>Substances</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Threshold limit algae 2</td>
<td>&gt; 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)</td>
<td></td>
</tr>
</tbody>
</table>

## 1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)

<table>
<thead>
<tr>
<th>Substances</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>2 mg/l</td>
<td></td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>3.88 mg/l</td>
<td></td>
</tr>
<tr>
<td>NOEC chronic fish</td>
<td>0.138 mg/l</td>
<td></td>
</tr>
<tr>
<td>NOEC chronic crustacea</td>
<td>0.177 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

## 1,1’-(p-tolylimino)dipropan-2-ol (38668-48-3)

<table>
<thead>
<tr>
<th>Substances</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>≈ 17 mg/l</td>
<td></td>
</tr>
<tr>
<td>LC50 other aquatic organisms 1</td>
<td>245 mg/l</td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>28.8 mg/l</td>
<td></td>
</tr>
<tr>
<td>NOEC (acute)</td>
<td>57.8 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

## boric acid (10043-35-3)

<table>
<thead>
<tr>
<th>Substances</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>447 mg/l</td>
<td></td>
</tr>
<tr>
<td>LC50 Daphnia 1</td>
<td>658 - 875 mg/l (48 h; Daphnia magna)</td>
<td></td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>79 ppm (96 h; Salmo gairdneri (Oncorhynchus mykiss); Hard water)</td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td>19.7 mg/l (336 h; Daphnia magna)</td>
<td></td>
</tr>
<tr>
<td>TLM fish 1</td>
<td>1800 ppm (24 h; Gambusia affinis)</td>
<td></td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>5 mg/l (672 h; Elodea sp.)</td>
<td></td>
</tr>
<tr>
<td>Threshold limit algae 2</td>
<td>0.4 - 0.8,336 h; Chlorella sp.; Growth</td>
<td></td>
</tr>
</tbody>
</table>

## 4-tert-butylpyrocatechol (98-29-3)

<table>
<thead>
<tr>
<th>Substances</th>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.12 mg/l (96 h, Danio rerio, Lethal, ECHA)</td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; μg/l</td>
<td></td>
</tr>
</tbody>
</table>

## 12.2. Persistence and degradability

### HIT-HY 70, A

**Persistence and degradability**

Not established.

### 2-Hydroxypropyl methacrylate (27813-02-1)

**Persistence and degradability**

Readily biodegradable in water. No (test)data on mobility of the substance available.

### boric acid (10043-35-3)

**Persistence and degradability**

Biodegradability: not applicable. Biodegradability in soil: not applicable. No (test)data on mobility of the substance available.

**Biochemical oxygen demand (BOD)**

Not applicable

**Chemical oxygen demand (COD)**

Not applicable

**ThOD**

Not applicable

**BOD (% of ThOD)**

Not applicable

### 4-tert-butylpyrocatechol (98-29-3)

**ThOD**

2.4 g O₂/g substance

## 12.3. Bioaccumulative potential

### HIT-HY 70, A

**Bioaccumulative potential**

Not established.

### 2-Hydroxypropyl methacrylate (27813-02-1)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 1</td>
<td>&lt;= 100 (Pisces)</td>
</tr>
<tr>
<td>BCF fish 2</td>
<td>3.2 (Pisces; QSAR)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>0.97 (OECD 102: Melting Point/Melting Range)</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (BCF &lt; 500).</td>
</tr>
</tbody>
</table>

### 1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF fish 2</td>
<td>366 l/kg</td>
</tr>
</tbody>
</table>
## 1.1.1-Trimethylolpropane trimethacrylate (3290-92-4)
- **Log Pow**: 3.53
- **Log Kow**: 4.39

## 1,1’-(p-tolylimino)dipropan-2-ol (38668-48-3)
- **BCF fish 1**: =
- **Log Kow**: 2.1

## boric acid (10043-35-3)
- **BCF fish 1**: 0 (Salmo gairdneri (Oncorhynchus mykiss); Chronic)
- **Log Pow**: -1.09 (Experimental value; EU Method A.8: Partition Coefficient; 22 °C)
- **Bioaccumulative potential**: Low potential for bioaccumulation (BCF < 500).

## 4-tert-butylpyrocatechol (98-29-3)
- **Log Pow**: 2.94 (Estimated value)
- **Bioaccumulative potential**: Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

**boric acid (10043-35-3)**
- Ecology - soil: May be harmful to plant growth, blooming and fruit formation.

### 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

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14.1. UN number</strong></td>
<td>Not regulated for transport</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>14.2. UN proper shipping name</strong></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>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>14.4. Packing group</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>14.5. Environmental hazards</strong></td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
</tr>
<tr>
<td></td>
<td>Marine pollutant: No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
14.6. Special precautions for user

- Overland transport

- Transport by sea
  No data available

- Air transport
  No data available

- Rail transport
  Carriage prohibited (RID) No

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

SECTION 15: Regulatory information

15.1. 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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No</th>
<th>5 - 10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium oxide</td>
<td>1344-28-1</td>
<td>5 - 10%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>EPA TSCA Regulatory Flag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tricyclodecane dimethanol dimethacrylate (43048-08-4)</td>
<td>P - P - indicates a commenced PMN substance. S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule.</td>
<td></td>
</tr>
<tr>
<td>4-tert-butylpyrocatechol (98-29-3)</td>
<td>T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.</td>
<td></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 Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
Repr. 1B H360
Aquatic Chronic 3 H412

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

National regulations

No additional information available
15.3. US State regulations

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

SECTION 16: Other information

Revision date 12/03/2015
Other information None.

Full text of H-statements:

<table>
<thead>
<tr>
<th>H300</th>
<th>Fatal if swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</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>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</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.