



# Kluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 14/12/2022

Revision date: 14/12/2022

Supersedes version of: 25/09/2017

Version: 2.0

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

#### 1.1. Product identifier

|              |                              |
|--------------|------------------------------|
| Product form | Mixture                      |
| Product name | Kluebersynth GH 6-80 (Hilti) |
| Product code | BU Diamond                   |

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

##### 1.2.1. Relevant identified uses

|                                  |                           |
|----------------------------------|---------------------------|
| Industrial/Professional use spec | For professional use only |
| Use of the substance/mixture     | Lubricant                 |

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Hilti (Israel) Ltd.  
6 Ravnitsky St. Ind. Zone Sgula  
P.O. Box 2650  
IL- 49125 Petach Tikva  
Israel  
T +972 3 930 4499 - F +972 3 930 2095  
[info@hilti.co.il](mailto:info@hilti.co.il)

##### Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH  
Hiltistraße 6  
DE- 86916 Kaufering  
Deutschland  
T +49 8191 906876  
[anchor.hse@hilti.com](mailto:anchor.hse@hilti.com)

#### 1.4. Emergency telephone number

|                  |  |
|------------------|--|
| Emergency number | Schweizerisches Toxikologisches Informationszentrum – 24h Service<br>+41 44 251 51 51 (international)<br>+972 3 930 4499 |
|------------------|--|

### SECTION 2: Hazards identification

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

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

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

No labelling applicable

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

| Component  |   |
|--|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) | PBT: not yet assessed<br>vPvB: not yet assessed |

# Cluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

| Component   |   |
|---|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene(68411-46-1) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier                                | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---------|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | CAS-No.: 68411-46-1<br>REACH-no: 01-2119491299-23 | 1 – 2.5 | Aquatic Chronic 3, H412   |

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | 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   | Allow affected person to breathe fresh air. Allow the victim to rest.   |
| First-aid measures after skin contact | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.                 |
| First-aid measures after eye contact  | Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.                         |
| First-aid measures after ingestion    | Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.  |

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

Symptoms/effects Not expected to present a significant hazard under anticipated conditions of normal use.

#### 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 Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
 Unsuitable extinguishing media Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire Hazardous decomposition products in case of fire. Carbon dioxide (CO<sub>2</sub>). carbon monoxide. Nitrogen oxides.  
 Hazardous decomposition products in case of fire Carbon dioxide. Carbon monoxide. Nitrogen oxides.

#### 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 the environment.

# Cluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Protection during firefighting

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 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. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.  
Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Do not breathe vapours, spray. 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.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Keep cool. Protect from sunlight. Keep container closed when not in use. Keep only in original container.  
Incompatible products Strong bases. Strong acids.  
Incompatible materials Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

| Monitoring methods |   |
|--------------------|---|
| Monitoring methods | A specific exposure sampling method is not available. |

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

# Kluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

##### Hand protection:

In case of repeated or prolonged contact wear gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |                               |
|---------------------------|-------------------------------|
| Physical state            | Liquid                        |
| Colour                    | Yellow.                       |
| Odour                     | characteristic.               |
| Odour threshold           | Not available                 |
| Melting point             | Not available                 |
| Freezing point            | Not available                 |
| Boiling point             | Not available                 |
| Flammability              | Non flammable.                |
| Explosive limits          | Not available                 |
| Lower explosion limit     | Not available                 |
| Upper explosion limit     | Not available                 |
| Flash point               | > 250 °C ISO 2592             |
| Auto-ignition temperature | Not available                 |
| Decomposition temperature | Not available                 |
| pH                        | Not available                 |
| Viscosity, kinematic      | 80 mm <sup>2</sup> /s (40 °C) |
| Solubility                | Not available                 |

# Kluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|   |                        |
|---|------------------------|
| Partition coefficient n-octanol/water (Log Kow) | Not available          |
| Vapour pressure                                 | < 0.001 hPa (20 °C)    |
| Vapour pressure at 50°C                         | Not available          |
| Density   | 1.04 g/cm <sup>3</sup> |
| Relative density                                | Not available          |
| Relative vapour density at 20°C                 | Not available          |
| Particle characteristics                        | Not applicable         |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content 0.06 %

## 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 dangerous reactions known under normal conditions of use.

### 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

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

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                                   |  |
|-----------------------------------|--|
| Acute toxicity (oral)             | Not classified   |
| Acute toxicity (dermal)           | Not classified   |
| Acute toxicity (inhalation)       | Not classified   |
| Skin corrosion/irritation         | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Serious eye damage/irritation     | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Germ cell mutagenicity            | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Carcinogenicity                   | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Reproductive toxicity             | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| STOT-single exposure              | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| STOT-repeated exposure            | Not classified   |

# Kluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                        |  |
|------------------------|--|
| Additional information | Based on available data, the classification criteria are not met |
| Aspiration hazard      | Not classified   |
| Additional information | Based on available data, the classification criteria are not met |

| Kluebersynth GH 6-80 (Hilti) |                               |
|------------------------------|-------------------------------|
| Viscosity, kinematic         | 80 mm <sup>2</sup> /s (40 °C) |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

#### 11.2.2. Other information

|   |  |
|---|--|
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met |
|---|--|

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Hazardous to the aquatic environment, short-term (acute)  | Not classified                          |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified (Manufacturer/Supplier). |

| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |            |
|--|------------|
| LC50 - Fish [1]  | > 100 mg/l |
| LC50 - Other aquatic organisms [1]   | > 100 mg/l |
| EC50 - Crustacea [1]   | > 51 mg/l  |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| Kluebersynth GH 6-80 (Hilti)   |                  |
|--|------------------|
| Bioaccumulative potential  | Not established. |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) |                  |
| Bioconcentration factor (BCF REACH)  | 411              |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| Kluebersynth GH 6-80 (Hilti)   |  |
|--|--|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  |  |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

|                        |                                   |
|------------------------|-----------------------------------|
| Additional information | Avoid release to the environment. |
|------------------------|-----------------------------------|

# Cluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations      Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

Ecology - waste materials                                      Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

| ADR                                     | IMDG          | IATA          | RID           |
|---|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>     |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Rail transport

Not regulated

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)



# Cluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### VOC Directive (2004/42)

VOC content 0.06 %

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |                         |         |          |
|-----------------------|-------------------------|---------|----------|
| Section               | Changed item            | Change  | Comments |
| 2.1                   | Hazard statements (CLP) | Removed |          |

Other information None.

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| H412                                | Harmful to aquatic life with long lasting effects.                |

SDS\_EU\_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.