

# Cluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Issue date: 26/09/2022

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Version: 2.0

### SECTION 1: Identification

#### 1.1 Product identifier

|              |                              |
|--------------|------------------------------|
| Product name | Cluebersynth GH 6-80 (Hilti) |
| Product form | Mixture                      |
| CAS-No.      | 68411-64-1                   |
| Product code | BU Diamond                   |

#### 1.2 Other means of identification

No additional information available

#### 1.3 Recommended use of the chemical and restrictions on use

Recommended use For professional use only

#### 1.4 Details of manufacturer or importer

##### Supplier

Hilti (New Zealand) Ltd.  
Level 1, Building B 600 South Road Ellerslie  
Auckland 1051  
New Zealand  
T +64 9 571 9995  
800 444 584 toll free - F +64 9526 7780  
[servicenz@hilti.com](mailto:servicenz@hilti.com)

##### Department issuing data specification sheet

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

#### 1.5. Emergency phone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service  
+41 44 251 51 51 (international)  
+64 9 571 9995  
800 444 584 toll free

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS NZ labelling

No labelling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

### SECTION 3: Composition and information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name  | Product identifier  | Conc.   | Classification according to GHS NZ |
|---|---------------------|---------|------------------------------------|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | CAS-No.: 68411-46-1 | 1 – 2.5 | Aquatic Chronic 3, H412            |

## SECTION 4: First-aid measures

### 4.1. Description of necessary 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. Symptoms caused by exposure

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

### 4.3. Medical attention and special treatment

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Other medical advice or treatment | No additional information available. |
|-----------------------------------|--------------------------------------|

## SECTION 5: Fire-fighting 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. Specific hazards arising from the chemical

|  |  |
|--|--|
| 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. Special protective equipment and precautions for fire-fighters

|                                |   |
|--------------------------------|---|
| 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. |
| 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

No additional information available

#### 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.

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### 6.3. Methods and materials 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. |
| Methods and Equipment for Containment and 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. |

## 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.   |

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

|   |  |
|---|--|
| <b>Cluebersynth GH 6-80 (Hilti) (68411-64-1)</b>  |  |
| <b>New Zealand - Occupational Exposure Limits</b> |  |
| Local name  | Triphenyl phosphate  |
| WES-TWA (OEL TWA) [1]                             | 3 mg/m <sup>3</sup>  |
| Regulatory reference                              | Workplace Exposure Standards and Biological Exposure Indices, 13th Edition |

#### Exposure limit values for the other components

No additional information available

### 8.2. Monitoring methods

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

### 8.3. Engineering controls

No additional information available

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

|                               |  |
|-------------------------------|--|
| Personal protective equipment | Avoid all unnecessary exposure.  |
| Hand protection               | In case of repeated or prolonged contact wear gloves                     |
| Eye protection                | Chemical goggles or safety glasses                                       |
| Respiratory protection        | In case of insufficient ventilation, wear suitable respiratory equipment |

#### Personal protective equipment symbol(s)



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

# Glue synthesis GH 6-80 (Hilti)

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### SECTION 9: Physical and chemical properties

|   |                                      |
|---|--------------------------------------|
| Physical state                                  | Liquid                               |
| Appearance                                      | No data available                    |
| Colour  | Yellow                               |
| Odour   | characteristic                       |
| Odour threshold                                 | No additional information available  |
| pH  | No additional information available  |
| Evaporation rate                                | No additional information available  |
| Relative evaporation rate (butylacetate=1)      | No data available                    |
| Melting point / Freezing point                  | No additional information available  |
| Boiling point                                   | No data available                    |
| Flash point                                     | > 250 °C ISO 2592                    |
| Auto-ignition temperature                       | No data available                    |
| Flammability                                    | Non flammable.                       |
| Vapour pressure                                 | Vapour pressure: < 0.001 hPa (20 °C) |
| Relative density                                | No additional information available  |
| Density   | Density: 1.04 g/cm <sup>3</sup>      |
| Solubility                                      | No additional information available  |
| Partition coefficient n-octanol/water (Log Pow) | No data available                    |
| Viscosity, kinematic                            | 80 mm <sup>2</sup> /s (40 °C)        |
| Viscosity, dynamic                              | No data available                    |
| Explosive properties                            | No data available                    |
| Explosive limits                                | No additional information available  |
| Minimum ignition energy                         | No data available                    |
| VOC content                                     | 0.06 %                               |

### SECTION 10: Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | No additional information available  |
| Chemical stability                 | Stable under normal conditions.  |
| Possibility of hazardous reactions | No dangerous reactions known under normal conditions of use.   |
| Conditions to avoid                | Direct sunlight. Extremely high or low temperatures.   |
| Incompatible materials             | Strong acids. Strong bases.  |
| Hazardous decomposition products   | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

### SECTION 11: Toxicological information

#### 11.1. Toxicity

|                                   |                |
|-----------------------------------|----------------|
| Acute toxicity (oral)             | Not classified |
| Acute toxicity (dermal)           | Not classified |
| Acute toxicity (inhalation)       | Not classified |
| Skin corrosion/irritation         | Not classified |
| Serious eye damage/irritation     | Not classified |
| Respiratory or skin sensitisation | Not classified |
| Germ cell mutagenicity            | Not classified |
| Carcinogenicity                   | Not classified |
| Reproductive toxicity             | Not classified |
| STOT-single exposure              | Not classified |
| STOT-repeated exposure            | Not classified |
| Aspiration hazard                 | Not classified |

#### Glue synthesis GH 6-80 (Hilti) (68411-64-1)

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

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Potential adverse human health effects and symptoms

Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

|   |                                   |
|---|-----------------------------------|
| Hazardous to the aquatic environment, short-term (acute)  | Not classified                    |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified                    |
| Soil toxicity   | Not classified                    |
| Terrestrial vertebrate toxicity                           | Not classified                    |
| Terrestrial invertebrate toxicity                         | Not classified                    |
| Other information   | Avoid release to the environment. |

#### 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  |
| Bioconcentration factor (BCF REACH) | 411        |

#### 12.2. Persistence and degradability

##### Kluebersynth GH 6-80 (Hilti) (68411-64-1)

|                               |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | No additional information available |
|-------------------------------|-------------------------------------|

##### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

|                        |  |
|------------------------|--|
| Not rapidly degradable |  |
|------------------------|--|

#### 12.3. Bioaccumulative potential

##### Kluebersynth GH 6-80 (Hilti) (68411-64-1)

|                           |                  |
|---------------------------|------------------|
| 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

##### Kluebersynth GH 6-80 (Hilti) (68411-64-1)

|                  |                                     |
|------------------|-------------------------------------|
| Mobility in soil | No additional information available |
|------------------|-------------------------------------|

#### 12.5. Other adverse effects

|                       |                                     |
|-----------------------|-------------------------------------|
| Ozone                 | Not classified                      |
| Other adverse effects | No additional information available |

### SECTION 13: Disposal considerations

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

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

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| 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 specific for the product in question

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

|               |            |
|---------------|------------|
| Issue date    | 26/09/2022 |
| Revision date | 09/04/2019 |
| Supersedes    | 09/04/2019 |

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

Other information: None.

# Gluebonding GH 6-80 (Hilti)

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

SDS\_NZ\_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.