



Cluebersynth GH 6-80 (Hilti)

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

Issue date: 14/12/2022

Revision date: 14/12/2022

Supersedes: 09/04/2019

Version: 2.0

SECTION 1: Identification

1.1. GHS Product identifier

| | |
|--------------|------------------------------|
| Product form | Mixture |
| Product name | Cluebersynth GH 6-80 (Hilti) |
| 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

| | |
|------------------------------|---------------------------|
| Use of the substance/mixture | Lubricant |
| Recommended use | For professional use only |

1.4. Supplier's details

Supplier

Hilti (Hong Kong) Ltd.
701-704, 7/F, Tower A, Manulife Financial Centre 223 Wai Yip Street, Kwun Tong
Tong
HK– Kowloon
Hong Kong
T +852 27734 700
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Department issuing data specification sheet

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Hiltistraße 6
DE– 86916 Kaufering
Deutschland
T +49 8191 906876
anchor.hse@hilti.com

1.5. Emergency phone number

| | |
|------------------|---|
| Emergency number | Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international) +852 27734 700 |
|------------------|---|

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Flammable liquids Not classified

On basis of test data

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Cluebersynth GH 6-80 (Hilti)

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

3.2. Mixtures

| Name | Product identifier | % | Classification according to the United Nations GHS |
|---|---------------------|---------|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | CAS-No.: 68411-46-1 | 1 – 2.5 | Hazardous to the aquatic environment – Acute Hazard Not classified Hazardous to the aquatic environment – Chronic Hazard, Category 3, H412 |

Full text of H-statements: see section 16

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. Most important symptoms/effects, acute and delayed

| | |
|---|--|
| Symptoms/effects | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available.

SECTION 5: Fire-fighting measures

5.1. Suitable 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 ₂). carbon monoxide. Nitrogen oxides. |
| Hazardous decomposition products in case of fire | Carbon dioxide. Carbon monoxide. Nitrogen oxides. |

5.3. Special protective actions 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

| | |
|---|--------------------------------------|
| Prevention Measures for Secondary Accidents | No additional information available. |
|---|--------------------------------------|

6.1.1. For non-emergency personnel

| | |
|----------------------|---------------------------------|
| Emergency procedures | Evacuate unnecessary personnel. |
|----------------------|---------------------------------|

Glue synthesis GH 6-80 (Hilti)

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

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 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.

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/personal protection

8.1. Control parameters

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

8.2. Appropriate engineering controls

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

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

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)



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state Liquid
 Colour Yellow.
 Odour characteristic.

Kluebersynth GH 6-80 (Hilti)

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

| | |
|---|-------------------------------|
| Odour threshold | Not available |
| Melting point | Not available |
| Freezing point | Not available |
| Boiling point | Not available |
| Flammability | Non flammable. |
| 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 |
| pH solution | Not available |
| Viscosity, kinematic (calculated value) (40 °C) | 80 mm ² /s (40 °C) |
| 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 ³ |
| Relative density | Not available |
| Relative vapour density at 20°C | Not available |
| Solubility | Not available |
| Particle size | Not applicable |

9.2. Data relevant with regard to physical hazard classes (supplemental)

| | |
|-------------|--------|
| 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 toxicological effects

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

Cluebersynth GH 6-80 (Hilti)

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

| | |
|------------------------|----------------|
| STOT-single exposure | Not classified |
| STOT-repeated exposure | Not classified |
| Aspiration hazard | Not classified |

| Cluebersynth GH 6-80 (Hilti) | |
|---|---|
| Viscosity, kinematic | 80 mm ² /s (40 °C) |
| 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 |

| 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

| Cluebersynth GH 6-80 (Hilti) | |
|--|-------------------------------------|
| 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

| Cluebersynth 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

| Cluebersynth GH 6-80 (Hilti) | |
|------------------------------|-------------------------------------|
| Mobility in soil | No additional information available |

12.5. Other adverse effects

| | |
|-----------------------|-------------------------------------|
| Ozone | Not classified |
| Other adverse effects | No additional information available |
| Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Disposal 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. |



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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

| ADR | IMDG | IATA | RID |
|---|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | |
| 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

SECTION 16: Other information

| | |
|---------------|------------|
| Issue date | 14/12/2022 |
| Revision date | 14/12/2022 |
| Supersedes | 09/04/2019 |

| Section | Changed item | Change | Comments |
|---------|-------------------------|---------|----------|
| 2.1 | Classification (GHS UN) | Removed | |

Other information: None.



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Safety Data Sheet

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| Full text of H-statements: | |
|----------------------------|---|
| H400 | Very toxic to aquatic life |
| H412 | Harmful to aquatic life with long lasting effects |

SDS_UN_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.