



Kluebersynth GH 6-80 (Hilti)

Safety Data Sheet

According to Taiwan Ministry of Labour Lao-zhi Shou-tzu No. 10302007861, "Regulations for the Labeling and Hazard Communication of Hazardous Chemicals"

Date of issue:

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Supersedes:

Version: 1.0

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

Product identifier

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

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture	Lubricant
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Details of the supplier of the safety data sheet

Supplier

Hilti Taiwan Co., Ltd.
4/F, No. 2 Jen Ai Road, Sec. 2
10060 Taipei - Taiwan
T +886 2 2357 9090
0800 221 036 Toll Free - F +886 2 2397 3730
twcs@hilti.com

Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
86916 Kaufering - Deutschland
T +49 8191 906876
anchor.hse@hilti.com

Emergency telephone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum - 24h Service +41 44 251 51 51 (international) +886 2 2357 9090 0800 221 036 Toll Free
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SECTION 2: Hazards identification

Classification of the substance or mixture

GHS classification (Taiwan)

Environmental hazards Hazardous to the aquatic environment — Chronic Hazard, Category 3
Other hazards not mentioned above are Not applicable or No data is available.

Label elements

Labelling according to the United Nations GHS (Rev. 4, 2011)

Hazard statements (GHS TW)	(H412) Harmful to aquatic life with long lasting effects.
Prevention precautionary statements	(P273) Avoid release to the environment.
Disposal precautionary statements	(P501) Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

Substances

Not applicable

Mixtures

Name	Product identifier	Concentration
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	(CAS-No.) 68411-46-1	1 - 2.5
diphenyl tolyl phosphate	(CAS-No.) 26444-49-5	0.25 - 1
triphenyl phosphate	(CAS-No.) 115-86-6	0.25 - 1
Bis(methylphenyl) phenyl phosphate (Bis(methylphenyl) phenyl phosphate)	(CAS-No.) 26446-73-1	0.25 - 1
tris(methylphenyl)phosphate	(CAS-No.) 1330-78-5	0.1 - 0.25

Full text of H-statements: see section 16

SECTION 4: First aid measures

First aid measures for different exposure routes

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	Assure fresh air breathing. 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.

Protection for the first aid staff

Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use.
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Protection for the first aid staff

Personal Protection in First Aid and Measures	Not applicable
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Notes to physician

Other medical advice or treatment	No additional information available
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SECTION 5: Firefighting measures

Extinguishing media

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

Specific hazards arising from firefighting measures

Reactivity in case of fire	Hazardous decomposition products in case of fire. Carbon dioxide (CO ₂). carbon monoxide. Nitrogen oxides.
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Specific firefighting methods

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 -
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Special protective equipment and precautions for fire-fighters

Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection
Personal protection (Emergency response)	-

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures	Evacuate unnecessary personnel.
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For emergency responders

Protective equipment	Equip cleanup crew with proper protection.
Emergency procedures	Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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.
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SECTION 7: Handling and storage

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.

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Storage precautionary statements

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 equipment

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Taiwan	OEL TWA (mg/m ³)	3 mg/m ³
Taiwan	Regulatory reference	Standards of Permissible Exposure Limits of Airborne Hazardous Substances in Workplace (Amended Feb 1 2010)

Personal protective equipment

General:

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



Other information	Do not eat, drink or smoke during use.
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SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Colour	Yellow.
Odour	characteristic.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available

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Flash point	> 250 ° C ISO 2592
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	< 0.001 hPa (20 ° C)
Relative vapour density at 20 ° C	No data available
Relative density	No data available
Density	1.04 g/cm ³
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	80 mm ² /s (40 ° C)
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

Other information

VOC content	0.19 %
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SECTION 10: Stability and reactivity

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

Likely routes of exposure

No additional information available

Synonyms

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

Acute toxicity

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

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diphenyl tolyl phosphate (26444-49-5)	
LD50 oral rat	6400 mg/kg (Rat, Literature study, Oral)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Literature study, Dermal)
triphenyl phosphate (115-86-6)	
LD50 oral rat	> 20000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	3723.1 mg/kg
LD50 dermal rabbit	> 10000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Experimental value, Dermal, 14 day(s))

SECTION 12: Ecological information

Ecotoxicity

Ecology - water

Harmful to aquatic life with long lasting effects.

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Acute aquatic toxicity

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 Daphnia 1	> 100 mg/l
diphenyl tolyl phosphate (26444-49-5)	
LC50 fish 1	1.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes)
EC50 Daphnia 1	1 mg/l (48 h, Daphnia magna)
EC50 Daphnia 2	3.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna)
ErC50 (algae)	0.99 mg/l
NOEC chronic crustacea	0.12 mg/l
triphenyl phosphate (115-86-6)	
LC50 fish 1	0.4 mg/l (EPA 660/3 - 75/009, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 Daphnia 1	0.25 mg/l
NOEC chronic fish	0.037 mg/l
tris(methylphenyl)phosphate (1330-78-5)	
LC50 fish 1	0.15 mg/l

Persistence and degradability

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diphenyl tolyl phosphate (26444-49-5)	
Persistence and degradability	Not readily biodegradable in water.
ThOD	2.118 g O ₂ /g substance
triphenyl phosphate (115-86-6)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.

Bioaccumulative potential

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

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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 and the IBC Code

No data available

SECTION 15: Regulatory information

No data available

SECTION 16: Other information

Full text of H-statements:

H303	May be harmful if swallowed
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS prepared by

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Other information None.

SDS_TW_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.