

# Kluebersynth GH 6-80 (Hilti)

## Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

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Supersedes: 2022/09/26

## SECTION 1 Chemical product and company identification

### Product identifier

Product form	Mixture
Product name	Kluebersynth GH 6-80 (Hilti)
Product code	BU Diamond
Chemical Chinese name	
Chemical English name	
Recommended use of the chemical	For professional use only Lubricant

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

<b>Supplier</b> Hilti (China) Ltd. 8F, Tower 2, No.58 Yao Yuan Rd. Pudong District 200126 Shanghai - China T +86 21 6016 7316	<b>Department issuing data specification sheet</b> Hilti AG Feldkircherstraße 100 9494 Schaan - Liechtenstein T +423 234 2111 <a href="mailto:product.compliance-power.tools@hilti.com">product.compliance-power.tools@hilti.com</a>
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### Emergency telephone number

Emergency number	Emergency CONTACT (24-Hour-Number) GBK GmbH Global Regulatory Compliance +49 (0)6132-84463
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Country	Organisation/Company	Address	Emergency number
China	中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7)		+86 532 83889090

## SECTION 2 Hazards identification

### Emergency overview

Liquid. Yellow. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Use personal protective equipment as required. Equip cleanup crew with proper protection

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### GHS hazard classification

Environmental hazards                      Hazardous to the aquatic environment - Acute hazard, Category 3  
    Hazardous to the aquatic environment - Chronic hazard, Category 3

Other hazards not mentioned above are Not applicable or No data is available.

### Label elements

Hazard statements (GHS CN)              H412 - Harmful to aquatic life with long lasting effects.

### Precautionary statements (GHS CN)

Prevention measures                      P273 - Avoid release to the environment.  
Disposal                                      P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Physical and chemical hazards

No additional information available

### Health hazards

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

### Environmental hazards

Harmful to aquatic life with long lasting effects

### Other hazards

No additional information available

## SECTION 3 Composition/information on ingredients

Product form

Mixture.

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.
diphenyl tolyl phosphate	< 2.5	26444-49-5
triphenyl phosphate	< 2.5	115-86-6
Bis(methylphenyl) phenyl phosphate	< 2.5	26446-73-1

## SECTION 4 First-aid measures

### 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)

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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

### Most important symptoms/effects

Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use
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### Advices for first aid responders

Not applicable.

### Notes for the doctor

Other medical advice or treatment	No additional information available
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## SECTION 5 Fire-fighting 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

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

### Advice for firefighters and protective 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 the environment
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection

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### SECTION 6 Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

General measures	No additional information available
Personal Precautions, Protective Equipment and Emergency Procedures	No additional information available

#### 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	No additional information available
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.
For containment	No additional information available

#### Prevention measures for secondary accidents

Prevention Measures for Secondary Accidents	No additional information available
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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.
Local and general ventilation	No additional information available

#### Storage

Storage conditions	Keep cool. Protect from sunlight. Keep container closed when not in use Keep only in original container.
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Material used in packaging/containers	No additional information available
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.

### SECTION 8 Exposure controls / Personal protection equipment

#### Occupational exposure limits

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##### China - Occupational Exposure Limits

Local name	三甲基磷酸酯 (全部异构体) # Tricresyl phosphate (all isomers)
OEL PC-TWA	0.3 mg/m <sup>3</sup>
Remark (CN)	皮
Regulatory reference	GBZ 2.1-2019

#### Biological limit values

No additional information available

#### Monitoring methods

Monitoring methods A specific exposure sampling method is not available

#### Appropriate engineering controls

No additional information available

#### Personal protective equipment

Personal protective equipment	Avoid all unnecessary exposure
Other information	Do not eat, drink or smoke during use
Hand protection	In case of repeated or prolonged contact wear gloves
Eye protection	Chemical goggles or safety glasses
Skin and body protection	No additional information available
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



### SECTION 9 Physical and chemical properties

Physical state	Liquid
Appearance	No data available
Colour	Yellow
Odour	characteristic
pH	No data available

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Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	> 250 ° C ISO 2592
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability	Non flammable.
Vapour pressure	< 0.001 hPa (20 ° C)
Relative vapour density at 20° C	No data available
Density	1.04 g/cm <sup>3</sup>
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	80 mm <sup>2</sup> /s (40 ° C)
Lower explosion limit	No data available
Upper explosion limit	No data available
Radioactive	No
VOC content	0.06 %

### SECTION 10 Stability and reactivity

Chemical stability	Stable under normal conditions
Reactivity	No additional information available
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
Other properties	No additional information available

### SECTION 11 Toxicological information

#### Acute toxicity

Acute toxicity (oral)	No data available
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	No data available

#### diphenyl tolyl phosphate (26444-49-5)

LD50 oral rat	6400 mg/kg (Rat, Literature study, Oral)
LD50 oral	6400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Literature study, Dermal)
LD50 dermal	5000 mg/kg
ATE CN (oral)	6400 mg/kg bodyweight
ATE CN (dermal)	5000 mg/kg bodyweight

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<b>triphenyl phosphate (115-86-6)</b>	
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))
LD50 dermal	10000 mg/kg
ATE CN (oral)	3723.1 mg/kg bodyweight
ATE CN (dermal)	10000 mg/kg bodyweight

### Skin corrosion/irritation

Skin corrosion/irritation No data available

### Serious eye damage/eye irritation

Serious eye damage/irritation No data available

### Respiratory or skin sensitisation

Respiratory or skin sensitisation No data available

### Germ cell mutagenicity

Germ cell mutagenicity No data available

### Carcinogenicity

Carcinogenicity No data available

### Reproductive toxicity

Reproductive toxicity No data available

### STOT - single exposure

STOT-single exposure No data available

### STOT - repeated exposure

STOT-repeated exposure No data available

### Aspiration hazard

Aspiration hazard No data available

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Viscosity, kinematic 80 mm<sup>2</sup>/s (40 °C)Density 1.04 g/cm<sup>3</sup>

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### SECTION 12 Ecological information

#### Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)

Harmful to aquatic life.

Hazardous to the aquatic environment, long-term (chronic)

Harmful to aquatic life with long lasting effects.

<b>diphenyl tolyl phosphate (26444-49-5)</b>	
NOEC chronic crustacea	0.12 mg/l
Partition coefficient n-octanol/water (Log Pow)	3.7 (OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 ° C)
<b>triphenyl phosphate (115-86-6)</b>	
EC50 - Crustacea [1]	0.25 mg/l
EC50 96h - Algae [1]	2 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)
NOEC chronic fish	0.037 mg/l
BCF - Fish [1]	144 (Other, 18 day(s), Oryzias latipes, Flow-through system, Fresh water, Experimental value, Fresh weight)
BCF - Other aquatic organisms [1]	43 (Lemna sp., Literature study, Chronic)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.4 - 3.55 (log Koc, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4.63 (Experimental value, Equivalent or similar to OECD 107, 20 ° C)

#### Persistence and degradability

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

#### Bioaccumulative potential

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Bioaccumulative potential Not established

<b>diphenyl tolyl phosphate (26444-49-5)</b>	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4)
Partition coefficient n-octanol/water (Log Pow)	3.7 (OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 ° C)
<b>triphenyl phosphate (115-86-6)</b>	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500)
BCF - Fish [1]	See section 12.1 on ecotoxicology 144 (Other, 18 day(s), Oryzias latipes, Flow-through system, Fresh water, Experimental value, Fresh weight)



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BCF - Other aquatic organisms [1]	See section 12.1 on ecotoxicology <sup>43</sup> (Lemna sp., Literature study, Chronic)
Partition coefficient n-octanol/water (Log Pow)	4.63 (Experimental value, Equivalent or similar to OECD 107, 20 ° C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.4 - 3.55 (log Koc, Calculated value)

### Mobility in soil

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Bioaccumulative potential Not established

#### diphenyl tolyl phosphate (26444-49-5)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4)
Partition coefficient n-octanol/water (Log Pow)	3.7 (OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 ° C)
Ecology - soil	Low potential for adsorption in soil.

#### triphenyl phosphate (115-86-6)

Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500)
Partition coefficient n-octanol/water (Log Pow)	4.63 (Experimental value, Equivalent or similar to OECD 107, 20 ° C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.4 - 3.55 (log Koc, Calculated value)
Ecology - soil	Low potential for mobility in soil.

### Other adverse effects

Classification procedure (Ozone) No data available

Other information Avoid release to the environment.

### Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No additional information available

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

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

## SECTION 13 Disposal considerations

Waste treatment methods No additional information available

Contaminated container and packaging No additional information available

Additional information No additional information available

Product/Packaging disposal recommendations Dispose in a safe manner in accordance with local/national regulations

Ecological information Avoid release to the environment.

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### 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

New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)

Inventory of Existing Chemical Substances in China (IECSC) Listed

Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)

Catalogue of Hazardous Chemicals (2015) Not listed

Identification of major hazard installations for dangerous chemicals (GB 18218) Not listed

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Catalogue of Severely Restricted Toxic Chemicals	Not listed
List of Monitored Chemicals (Schedule 4)	Listed
Law of the People's Republic of China on the Prevention and Control of Occupational Diseases	
Catalogue for Classification of Hazardous Factors of Occupational Diseases	Not listed
Regulation on the Administration of Precursor Chemicals (Decree 445 of the State Council)	
Catalogue of Precursor Chemicals	Not listed
Regulations on Administration of Ozone Depleting Substances (Decree 573 of the State Council)	
List of Ozone-Depleting Substances under Control in China	Not listed
Other domestic regulatory lists	
Dangerous Goods List (GB 12268-2012)	Not listed
List of Goods Prohibited from Export or Import	Not listed
Inventory of Hazardous Chemicals under Key Supervision	Not listed

### SECTION 16 Other information

Other information None

Section	Changed item	Change	Comments
1.	Department issuing data specification sheet.	Modified.	
1.	Emergency number.	Modified.	
2.	Classification (GHS CN).	Modified.	
2.	Precautionary statements (GHS CN).	Modified.	
3.	Composition/information on ingredients.	Modified.	

SDS\_CN\_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.