

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.07.2010

Revision: 08.02.2010

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** Klübersynth GH 6-80 (Hilti)
- **Article number:** 012266
- **Application of the substance / the preparation** Lubricating oil
- **Manufacturer/Supplier:**
KLÜBER LUBRICATION MÜNCHEN KG
Geisenhausenerstrasse 7
D-81379 München
Tel.: 0049 (0) 897876-0
Fax: 0049 (0) 897876-333
- **Further information obtainable from:**
Material Compliance Management
E-Mail: mcm@klueber.com
- **Information in case of emergency:** 0049 (0) 89 7876 700 (24 hrs)









2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** polyalkylene glycol oil

· **Dangerous components:**

CAS: 68411-46-1 EINECS: 270-128-1	Dioctyldiphenylamine R 52/53	≤ 2.5%
CAS: 26444-49-5	Cresyl diphenyl phosphate  N; R 50/53	0.25-1%
CAS: 115-86-6 EINECS: 204-112-2	triphenyl phosphate  N; R 50/53	0.25-1%
CAS: 26446-73-1	Phenyldikresylphosphat  N; R 51/53	0.25-1%
	Amine-neutralized phosphoric acid ester  C,  Xn,  N; R 22-34-51/53	0.25-1%
	phosphate of a derivative of phenol  Xn,  N; R 21/22-51/53	≤ 0.25%

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- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash off with soap and plenty of water.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
Water haze
Foam
Fire-extinguishing powder
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:**
Store away from oxidizing agents.
Store away from foodstuffs.
- **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not inhale gases / fumes / aerosols.

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Immediately remove all soiled and contaminated clothing

Avoid close or long term contact with the skin.

Be sure to clean skin thoroughly after work and before breaks.

- **Protection of hands:** Preventive skin protection by use of skin-protecting agents is recommended.
- **Eye protection:** Goggles recommended during refilling
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Light yellow
Odour:	Product specific

· Change in condition

Pour point	< -40°C (DIN ISO 3016)
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Flash point:	> 250°C (DIN ISO 2592)
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Danger of explosion:	Product does not present an explosion hazard.
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Density at 20°C:	~ 1.04 g/cm ³ (DIN 51757)
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Solubility in / Miscibility with water:	Partly miscible.
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· Viscosity:

Kinematic at 40°C:	~ 80 mm ² /s (DIN 51562)
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10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· **Materials to be avoided:** oxidizing agents

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** none under normal use

11 Toxicological information

· Additional toxicological information:

Prolonged skin contact may cause skin irritation and/or dermatitis.

12 Ecological information

· **General notes:** Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

· Product:

· **Recommendation** Can be incinerated in accordance with local and national regulations.

· Waste disposal key:

For this product no waste disposal key according the European Waste Catalogue (EWC) can be determined, as only the purpose of application defined by the user enables an allocation. The waste code number has to be determined in accordance with the local waste disposer.

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- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Risk phrases:**
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**

Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
21/22 Harmful in contact with skin and if swallowed.
22 Harmful if swallowed.
34 Causes burns.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Department issuing MSDS:** Material Compliance Management
- **Contact:** +49(0)897876-1564
- *** Data compared to the previous version altered.**