

3039614

Reviewed on: 21/01/2020

Printing date: 21/01/2020

01 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- *Trade name:*
HARTÖL 6448
- Article number / Safety Data Sheet:
643480
- **Details of the supplier of the safety data sheet**
- *Manufacturer/Supplier:*
Teknos Feyco AG
Industriestrasse 3
LI-9487 Gamprin-Bendern
T +423 375 94 00
F +423 375 94 99
- *Further information obtainable from:*
Product safety department. e-mail address: li-sdb@teknos.com
- *Emergency telephone number:*
Swiss Toxicological Information Centre Emergency telephone: +41 (0)44 251 51 51

02 Hazard identification

- *Classification of the substance or mixture*



GHS07

Skin Sens. 1 - H317 May cause allergic skin reaction.

Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

- *Label elements*
- GHS label elements
- Hazard pictograms



GHS07

- Signal word
Warning

- Hazard-determining components of labelling:
Tung Oil
- Hazard statements
H317 May cause allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
P272 Contaminated work clothing shall not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

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PRODUCT : HARTÖL 6448*(continued of page 1)***03 Composition and information of the ingredients of the hazardous chemical**

- **Chemical characterization: Mixtures**

- **Description:**

Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS Number		%
8001-20-5	Tung Oil EC number: 232-272-3 ⚠ Skin Sens. 1 - H317	60,00- 90,00
96-29-7	2-butanone oxime EC number: 202-496-6 Record number 01-2119539477-28 ⚠ Eye Dam. 1 - H318; ⚠ Acute Tox. 4 - H312, Skin Sens. 1 - H317; ⚠ Carc. 2 - H351	0,00- 0,50
64742-49-0	Naphtha (petroleum), hydrotreated light EC number: 927-241-2 Record number 01-2119471843-32 ⚠ Flam. Liq. 2 - H225; ⚠ Asp. Haz. - H304; ⚠ STOT SE 3 - H336; ⚠ Aquatic Chronic 2 - H411	5,00- 10,00

04 First-aid measures

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water.

- **After swallowing:**

Do not induce vomiting; call for medical help immediately.

05 Fire-fighting measures

- **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:**

* Water with full jet

- **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

- **Protective equipment:**

Mouth respiratory protective device.

Do not inhale explosion gases or combustion gases.

- **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

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06 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

07 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Take note of emission threshold.

* Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

* **Information about fire - and explosion protection:**

* Keep ignition sources away - Do not smoke.

* Protect against electrostatic charges.

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

- **Information about storage in one common storage facility:**

Not required.

- **Further information about storage conditions:**

* Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

- **Specific end use(s)**

No further relevant information available.

08 Exposure controls and personal protection

- **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:**

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

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

- **Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Suitable respiratory protective device recommended. Use suitable respiratory protective device in case of insufficient ventilation.**

- **Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Protective gloves Impervious gloves**

- Material of gloves

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- *Eye protection: Safety glasses Tightly sealed goggles*
- *Body protection: Protective work clothing*

09 Physical and chemical properties

Appearance	
Appearance:	
Form:	Liquid
Colour:	According to product specifica
Odour:	Characteristic Characteristic
Odour threshold:	Not determined.
Change in condition	
Initial boiling point and boiling range:	Undetermined.
* Flash point:	> 60 °C
Flammability (solid, gas):	Not applicable.
* Ignition temperature:	255 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	0,9300 g/cm ³
Solubility in / Miscibility with water:	
	Not determined.
Viscosity:	
•	Not determined.
•	at 23 °C 22 - 32 s DIN 4 mm
Other information	
	No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Incompatible materials:**
No further relevant information available.
- **Hazardous decomposition products:**
No dangerous decomposition products known.

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11 Toxicological information• **Acute toxicity**

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- LD/LC50 values relevant for classification:*

96-29-7**2-butanone oxime**

Oral, LD50: 3700 mg/kg (rat) Dermal, LD50: 200-2000 mg/kg (rat) Inhalative, LC50/4h: 20 mg/l (rat) Oral, LD50: 5660 mg/kg (rat) Dermal, LD50: 4000 mg/kg (Rabbit) Oral, LD50: >5000 mg/kg (rat) Dermal, LD50: >3000 mg/kg (Rabbit)

112-34-5**2-(2-butoxyethoxy)ethanol****64742-48-9****Naphtha (petroleum), hydrotreated heavy**

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- Primary irritant effect:*

- Skin corrosion/irritation

No irritant effect.

- Serious eye damage/irritation

No irritating effect.

-
- Respiratory or skin sensitisation*

Sensitisation possible through skin contact.

-
- Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information

- Aquatic toxicity:

No further relevant information available.

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- Persistence and degradability**

No further relevant information available.

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- Behaviour in environmental systems:**

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- Bioaccumulative potential*

No further relevant information available.

-
- Additional ecological information:**

-
- General notes:*

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal information

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- Uncleaned packaging:**

-
- Recommendation:*

Disposal must be made according to official regulations.

14 Transportation information

-
- UN-Number**

ADR Void**IMDG** Void**IATA** Void

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- UN proper shipping name**

ADR Void**IMDG** Void**IATA** Void

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- Transport hazard class(es)**

ADR**Class** Void**IMDG****Class** Void

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PRODUCT : HARTÖL 6448*(continued of page 5)***IATA****Class** Void• **Packing group****ADR** Void**IMDG** Void**IATA** Void• **Environmental hazards:**

Not applicable.

• **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

• **Transport/Additional information:**

Not applicable.

15 Regulatory information• **National regulations:**• **Classification according to VbF:**

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• **Technical instructions (air):**• **Class Share in %**

I 0,20

III 6,40

• **Waterhazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

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 phrases**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful if in contact with skin.
H317	May cause allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

• **Department issuing MSDS:**

Environment protection department.

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent

- * Data compared to the previous version altered.