

## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

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

- **1.1 Product identifier**
- **Trade name KH-VERDÜNNUNG TE 300**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Thinner, Diluent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 3      H226 Flammable liquid and vapour.



health hazard

STOT RE 1      H372 Causes damage to the central nervous system through prolonged or repeated exposure.

Asp. Tox. 1      H304 May be fatal if swallowed and enters airways.



environment

Aquatic Chronic 2      H411 Toxic to aquatic life with long lasting effects.



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

STOT SE 3      H336 May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS02   GHS07   GHS08   GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Kohlenwasserstoffe (C9-C12, n-Alkane, Isoalkane, Cycloalkane, Aromaten (2-25%))  
Turpentine, oil

(Contd. on page 2)

## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

### Trade name KH-VERDÜNNUNG TE 300

(Contd. of page 1)

#### · Hazard statements

- H226 Flammable liquid and vapour.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to the central nervous system through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.
- H411 Toxic to aquatic life with long lasting effects.

#### · Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read carefully and follow all instructions.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
- P261 Avoid breathing mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### · Additional information:

- EUH066 Repeated exposure may cause skin dryness or cracking.

#### · 2.3 Other hazards

#### · Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

- **Description:** Mixture consisting of the following components with harmless additives.

#### · Dangerous components:

EC number: 919-446-0 Reg.nr.: 2119458049-33-xxxx	Kohlenwasserstoffe (C9-C12, n-Alkane, Isoalkane, Cycloalkane, Aromaten (2-25%)) ----- ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 1, H372; Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ STOT SE 3, H336 EUH066	50-100%
CAS: 8006-64-2 EINECS: 232-350-7	Turpentine, oil ----- ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2.5-5%

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation**  
Supply fresh air and call for doctor for safety reasons.  
In case of unconsciousness bring patient into stable side position for transport.

(Contd. on page 3)

## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

Trade name **KH-VERDÜNNUNG TE 300**

(Contd. of page 2)

- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed** Dazed
- **Danger** Danger of pulmonary oedema.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information** Cool endangered containers with water spray jet.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.  
Wear protective clothing.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.  
Prevent material from reaching sewage system, holes and cellars.  
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Send for recovery or disposal in suitable containers.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 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 information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
Use solvent-proof equipment.  
Keep containers tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Have fire extinguishing equipment ready in case of nearby fire.  
Fumes can combine with air to form an explosive mixture.  
Flammable mixtures may be formed in empty containers.

(Contd. on page 4)

## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

Trade name **KH-VERDÜNNUNG TE 300**

(Contd. of page 3)

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:**

Provide solvent resistant, sealed floor.

Store only in the original container.

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

Store away from oxidising agents.

Store away from flammable substances.

· **Further information about storage conditions:** Keep container tightly sealed.

· **Storage class 3**

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Components with critical values that require monitoring at the workplace:**

**8006-64-2 Turpentine, oil**

WEL	Short-term value: 850 mg/m <sup>3</sup> , 150 ppm Long-term value: 566 mg/m <sup>3</sup> , 100 ppm
-----	---

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Store protective clothing separately.

· **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **Hand protection**

Solvent resistant gloves

Protective gloves.

· **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

DIN EN 374

· **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.

· **Eye/face protection** Safety glasses

· **Body protection:**

Solvent resistant protective clothing

Protective work clothing.

GB

(Contd. on page 5)

## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

Trade name KH-VERDÜNNUNG TE 300

(Contd. of page 4)

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

· Physical state	Fluid
· Colour:	Clear
· Smell:	Benzen-like
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	154-170 °C (8006-64-2 Turpentine, oil)
· Lower and upper explosion limit	
· Lower:	0.6 Vol %
· Upper:	7 Vol %
· Flash point:	24-36 °C (8006-64-2 Turpentine, oil)
· Auto-ignition temperature:	220 °C
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity at 20 °C	9 s (DIN 53211/4)
· dynamic:	Not determined.
· Solubility	
· Water:	not miscible
· Steam pressure at 20 °C:	40 hPa
· Density and/or relative density	
· Density at 20 °C	0.8 g/cm <sup>3</sup>

#### · 9.2 Other information

· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Solvent content:	
· Solids content:	0.0 %

#### · Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

GB

(Contd. on page 6)

## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

Trade name KH-VERDÜNNUNG TE 300

(Contd. of page 5)

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
 Reacts with oxidizing agents  
 Forms explosive gas mixture with air  
 Used empty containers may contain product gases which form explosive mixtures with air
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
 Carbon monoxide and carbon dioxide  
 Hydrocarbons

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **LD/LC50 values that are relevant for classification:**
- | Kohlenwasserstoffe (C9-C12, n-Alkane, Isoalkane, Cycloalkane, Aromaten (2-25%)) |      |                     |
|---|------|---------------------|
| Oral  | LD50 | >15,000 mg/kg (rat) |
| Dermal  | LD50 | >3,400 mg/kg (rat)  |
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure**  
 May cause drowsiness or dizziness.
  - **STOT-repeated exposure**  
 Causes damage to the central nervous system through prolonged or repeated exposure.
  - **Aspiration hazard**  
 May be fatal if swallowed and enters airways.
  - **11.2 Information on other hazards**
- |  |
|--|
| · <b>Endocrine disrupting properties</b> |
| None of the ingredients is listed.       |

### SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:**
- | Kohlenwasserstoffe (C9-C12, n-Alkane, Isoalkane, Cycloalkane, Aromaten (2-25%)) |  |
|---|--|
| EL50  | 4.6-10 mg/l (Acartia Tonsa)<br>10-22 mg/l (G)        |
| LL50  | 10-30 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) |
- **12.2 Persistence and degradability** No further relevant information available.
  - **12.3 Bioaccumulative potential** No further relevant information available.
  - **12.4 Mobility in soil** No further relevant information available.
  - **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

(Contd. on page 7)

## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

Trade name KH-VERDÜNNUNG TE 300

(Contd. of page 6)

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- **General notes:**

Toxic for aquatic organisms

Also poisonous for fish and plankton in water bodies.

Water danger class (Germany) 3 (Self-assessment): extremely hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into soil.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, IMDG, IATA**

UN1263

- **14.2 UN proper shipping name**

- **ADR**

1263 PAINT RELATED MATERIAL,  
ENVIRONMENTALLY HAZARDOUS

- **IMDG**

PAINT RELATED MATERIAL, MARINE  
POLLUTANT

- **IATA**

PAINT RELATED MATERIAL

- **14.3 Transport hazard class(es)**

- **ADR, IMDG**



- **Class**

3 Flammable liquids.

- **Label**

3

- **IATA**



- **Class**

3 Flammable liquids.

- **Label**

3

- **14.4 Packing group**

- **ADR, IMDG, IATA**

III

(Contd. on page 8)

## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

Trade name KH-VERDÜNNUNG TE 300

(Contd. of page 7)

· <b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: Kohlenwasserstoffe (C9-C12, n-Alkane, Isoalkane, Cycloalkane, Aromaten (2-25%))
· <b>Marine pollutant:</b>	Yes
· <b>Special marking (ADR):</b>	Symbol (fish and tree) Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Kemler Number:</b>	30
· <b>EMS Number:</b>	F-E, S-E
· <b>Stowage Category</b>	A
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	D/E
· <b>UN "Model Regulation":</b>	UN 1263 PAINT RELATED MATERIAL, 3, III, ENVIRONMENTALLY HAZARDOUS

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

#### · **Regulated explosives precursors**

None of the ingredients is listed.

#### · **Regulated poisons**

None of the ingredients is listed.

#### · **Reportable explosives precursors**

None of the ingredients is listed.

#### · **Reportable poisons**

None of the ingredients is listed.

#### · **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

#### · **Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

(Contd. on page 9)

GB



## Safety data sheet according to UK REACH

Printing date 09.08.2024

Version number 8 (replaces version 7)

Revision: 09.08.2024

### Trade name KH-VERDÜNNUNG TE 300

(Contd. of page 8)

- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)

· **Abbreviations and acronyms:**

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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· **\* Data compared to the previous version altered.**

GB