

# Safety data sheet according to UK REACH

Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

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

- **1.1 Product identifier**
- **Trade name** VERDÜNNUNG KK 350
- **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. 2      H225 Highly flammable liquid and vapour.



health hazard

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.



Acute Tox. 4      H332 Harmful if inhaled.  
Skin Irrit. 2      H315 Causes skin irritation.  
Eye Irrit. 2      H319 Causes serious eye irritation.  
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:**  
Naphtha (petroleum), hydrotreated light

(Contd. on page 2)

GB

## Safety data sheet according to UK REACH

Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

**Trade name** VERDÜNNUNG KK 350

(Contd. of page 1)

ethyl acetate

**Hazard statements**

H225 Highly flammable liquid and vapour.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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.

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

**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: 921-024-6 Reg.nr.: 01-2119475514-35-xxxx	Hydrocarbons C6-C7,n-alkanes, isoalkanes, cyclenes <5%n-hexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 2119475103-46 01-2119475103-46-xxxx	ethyl acetate Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	25-50%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-0008	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066, EUH210	≥5-<10%

GB

(Contd. on page 3)

## Safety data sheet according to UK REACH

Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

Trade name **VERDÜNNUNG KK 350**

(Contd. of page 2)

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

##### After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

##### After skin contact

Instantly wash with water and soap and rinse thoroughly.

##### After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

##### After swallowing

In case of persistent symptoms consult doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

#### 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.

##### For safety reasons unsuitable extinguishing agents

Water with a full water jet.

#### 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

#### 5.3 Advice for firefighters

##### Protective equipment: Put on breathing apparatus.

### SECTION 6: Accidental release measures

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

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:

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

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

(Contd. on page 4)

## Safety data sheet according to UK REACH

Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

**Trade name** VERDÜNNUNG KK 350

(Contd. of page 3)

- **Information about protection against explosions and fires:**  
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:**  
Store in cool location.  
Store only in the original container.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.
- **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:**

##### **141-78-6 ethyl acetate**

WEL	Short-term value: 1468 mg/m <sup>3</sup> , 400 ppm Long-term value: 734 mg/m <sup>3</sup> , 200 ppm
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##### **67-64-1 acetone**

WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
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- **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**  
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.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**  
Filter A/P2.  
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** Protective gloves.
- **Material of gloves**  
Nitrile rubber, NBR  
Butyl rubber, BR
- **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:** Protective work clothing.

GB

(Contd. on page 5)

## Safety data sheet according to UK REACH

Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

Trade name VERDÜNNUNG KK 350

(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:

Colourless

##### · Smell:

Solvent-like

##### · Odour threshold:

Not determined.

##### · Melting point/freezing point:

Not determined

##### · Boiling point or initial boiling point and boiling range

Not determined

##### · Flammability

Highly flammable.

##### · Lower and upper explosion limit

##### · Lower:

0.8 Vol %

##### · Upper:

11.5 Vol %

##### · Flash point:

-4 °C

##### · Auto-ignition temperature:

&gt;200 °C

##### · Decomposition temperature:

Not determined.

##### · pH

Not determined.

##### · Viscosity:

##### · Kinematic viscosity

Not determined.

##### · dynamic:

Not determined.

##### · Solubility

##### · Water:

Partly miscible

##### · Partition coefficient n-octanol/water (log value)

Not determined.

##### · Steam pressure at 20 °C:

100 hPa

##### · Density and/or relative density

##### · Density at 20 °C

0.8 g/cm<sup>3</sup>

##### · Relative density

Not determined.

##### · Vapour density

Not determined.

#### · 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 %

##### · Change in condition

##### · Evaporation rate

Not determined.

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

##### · Explosives

Void

##### · Flammable gases

Void

##### · Aerosols

Void

##### · Oxidising gases

Void

##### · Gases under pressure

Void

##### · Flammable liquids

Highly flammable liquid and vapour.

##### · Flammable solids

Void

##### · Self-reactive substances and mixtures

Void

##### · Pyrophoric liquids

Void

##### · Pyrophoric solids

Void

(Contd. on page 6)

GB

## Safety data sheet according to UK REACH

Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

Trade name VERDÜNNUNG KK 350

(Contd. of page 5)

· 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

### 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** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if inhaled.

- **LD/LC50 values that are relevant for classification:**

#### Hydrocarbons C6-C7,n-alkanes, isoalkanes, cyclenes <5%n-hexane

Oral	LD50	>5,000 mg/kg (rat)
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#### 141-78-6 ethyl acetate

Oral	LD50	5,600 mg/kg (rat)
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Dermal	LD50	18,000 mg/kg (rabbit)
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#### 67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
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Dermal	LD50	20,000 mg/kg (rabbit)
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- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.		
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### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

#### Hydrocarbons C6-C7,n-alkanes, isoalkanes, cyclenes <5%n-hexane

ErL50	55 mg/l (Acartia Tonsa)
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EL50	3 mg/l (G)
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LC50	3.87 mg/l (G)
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(Contd. on page 7)

## Safety data sheet according to UK REACH

Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

Trade name VERDÜNNUNG KK 350

(Contd. of page 6)

**141-78-6 ethyl acetate**



EC 50	3,300 mg/l (Acartia Tonsa)
	717 mg/l (G)
LC50	230 mg/l (F2)

- **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.
- **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:**  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms  
Water hazard class (Germany) 2 (Self-assessment): hazardous for water.  
Do not allow product to reach ground water, water bodies or sewage system.  
Danger to drinking water if even small quantities leak into soil.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Hand over to disposers of hazardous waste.  
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** UN1300
- **14.2 UN proper shipping name**
- **ADR** 1300 TURPENTINE SUBSTITUTE, ENVIRONMENTALLY HAZARDOUS
- **IMDG** TURPENTINE SUBSTITUTE, MARINE POLLUTANT
- **IATA** TURPENTINE SUBSTITUTE
- **14.3 Transport hazard class(es)**
- **ADR, IMDG**
- 

- **Class** 3 Flammable liquids.

(Contd. on page 8)

GB

## Safety data sheet according to UK REACH


Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

**Trade name** VERDÜNNUNG KK 350

(Contd. of page 7)

· <b>Label</b>	3
· <b>IATA</b>	
	
· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	II
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	Yes Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Kemler Number:</b>	33
· <b>EMS Number:</b>	F-E, S-E
· <b>Stowage Category</b>	B
· <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>	1L
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>UN "Model Regulation":</b>	UN 1300 TURPENTINE SUBSTITUTE, 3, II, 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**

67-64-1 acetone

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

(Contd. on page 9)

## Safety data sheet according to UK REACH

Printing date 15.07.2024

Version number 12 (replaces version 11)

Revision: 15.07.2024

Trade name **VERDÜNNUNG KK 350**

(Contd. of page 8)

· **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**

H225 Highly flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.  
 EUH066 Repeated exposure may cause skin dryness or cracking.  
 EUH210 Safety data sheet available on request.

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

· **Abbreviations and acronyms:**

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. 2: Flammable liquids – Category 2  
 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  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 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