

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 28.09.2021

Version number 11 (replaces version 10)

Revision: 28.09.2021

### 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 CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*Naphtha (petroleum), hydrotreated light*

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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.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P362+P364 Take off contaminated clothing and wash it before reuse.

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

- **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:**

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%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33- xxxx	Naphtha (petroleum), hydrotreated light ----- ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	10-25%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35- xxxx	Kohlenwasserstoffe C6-C7,n-Alkane, Isoalkane, Cyclene <5%n-Hexan ----- ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	10-25%
EC number: 926-605-8 Reg.nr.: 01-2119486291-36- xxxx	Kohlenwasserstoffe C6-C7, Isoalkane, cyclische, <5%n- Hexan ----- ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ STOT SE 3, H336 EUH066	10-25%

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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%

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

##### General information

Instantly remove any clothing soiled by the product.

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.

If skin irritation continues, consult a doctor.

##### After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

##### After swallowing

Do not induce vomiting; instantly call for medical help.

##### 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.

##### 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.

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See Section 13 for information on disposal.

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### 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.

#### 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.  
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

##### 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 item 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:

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.  
Filter A/P2.

**Hand protection** Protective gloves.

##### Material of gloves

Nitrile rubber, NBR  
Butyl rubber, BR

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- **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.

### SECTION 9: Physical and chemical properties

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

##### · General Information

- |   |                              |
|---|------------------------------|
| · <b>Colour:</b>  | Colourless                   |
| · <b>Smell:</b>   | Solvent-like                 |
| · <b>Melting point/freezing point:</b>                            | n.b. °C                      |
| · <b>Boiling point or initial boiling point and boiling range</b> | Not determined               |
| · <b>Flammability</b>   | Not applicable.              |
| · <b>Lower and upper explosion limit</b>                          |                              |
| · <b>Lower:</b>   | 0.8 Vol %                    |
| · <b>Upper:</b>   | 11.5 Vol %                   |
| · <b>Flash point:</b>   | -4 °C                        |
| · <b>Self-inflammability:</b>                                     | Product is not selfigniting. |
| · <b>pH</b>   | Not determined.              |
| · <b>Solubility</b>   |                              |
| · <b>Water:</b>   | Partly miscible              |
| · <b>Steam pressure at 20 °C:</b>                                 | 100 hPa                      |
| · <b>Density and/or relative density</b>                          |                              |
| · <b>Density at 20 °C</b>   | 0.8 g/cm <sup>3</sup>        |

#### · 9.2 Other information

- |  |   |
|--|---|
| · <b>Appearance:</b>   |   |
| · <b>Form:</b>   | Fluid   |
| · <b>Important information on protection of health and environment, and on safety.</b> |   |
| · <b>Ignition temperature:</b>   | >200 °C   |
| · <b>Explosive properties:</b>   | Product is not explosive. However, formation of explosive air/steam mixtures is possible. |

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

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

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· **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:**

#### 141-78-6 ethyl acetate

Oral	LD50	5,600 mg/kg (rat)
Dermal	LD50	18,000 mg/kg (rabbit)

#### Naphtha (petroleum), hydrotreated light

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	5 mg/l (rat)

#### Kohlenwasserstoffe C6-C7, n-Alkane, Isoalkane, Cyclene <5% n-Hexan

Oral	LD50	>5,000 mg/kg (rat)
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#### Kohlenwasserstoffe C6-C7, Isoalkane, cyclische, <5% n-Hexan

Oral	LD50	>5,000 mg/kg (rat)
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#### 67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rbt)

- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **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** Based on available data, the classification criteria are not met.
- **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:

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

EC 50	3,300 mg/l (Pseudokirchneriella subcapitata (Alge))
	717 mg/l (Daphnia magna (Großer Wasserfloh))
LC50	230 mg/l (F2)

##### Naphtha (petroleum), hydrotreated light

IC 50	1-10 mg/l (Pseudokirchneriella subcapitata (Alge))
LC50	1-10 mg/l (Cyprinus carpio (Karpfen))

##### Kohlenwasserstoffe C6-C7, n-Alkane, Isoalkane, Cyclene <5% n-Hexan

ErL50	55 mg/l (Pseudokirchneriella subcapitata (Alge))
EL50	3 mg/l (Daphnia magna (Großer Wasserfloh))
LC50	3.87 mg/l (Daphnia magna (Großer Wasserfloh))

##### Kohlenwasserstoffe C6-C7, Isoalkane, cyclische, <5% n-Hexan

ErL50	55 mg/l (Pseudokirchneriella subcapitata (Alge))
EL50	3 mg/l (Daphnia magna (Großer Wasserfloh))
LC50	3.87 mg/l (Daphnia magna (Großer Wasserfloh))

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

For information on endocrine disrupting properties see section 11.

#### 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 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

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.

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### SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA	UN1300
· 14.2 UN proper shipping name · ADR  · IMDG  · IATA	1300 TURPENTINE SUBSTITUTE, ENVIRONMENTALLY HAZARDOUS TURPENTINE SUBSTITUTE, MARINE POLLUTANT TURPENTINE SUBSTITUTE
· 14.3 Transport hazard class(es) · ADR, IMDG	
 	
· Class · Label	3 Flammable liquids. 3
· IATA	
	
· Class · Label	3 Flammable liquids. 3
· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards:  · Marine pollutant:  · Special marking (ADR):	Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light Yes Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Kemler Number: · EMS Number: · Stowage Category	Warning: Flammable liquids. 33 F-E,S-E B
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code	1L 2 D/E
· UN "Model Regulation":	UN 1300 TURPENTINE SUBSTITUTE, 3, II, ENVIRONMENTALLY HAZARDOUS

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### SECTION 15: Regulatory information

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

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