

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

Printing date: 30.10.2020

Version number 9

Revision: \_\_\_\_\_ 30.10.2020

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

· **1.1 Product identifier**

· **Trade name:** Solvent/thinner for covering lacquer

Lösungsmittel für Abdecklack

· **Article number:** 86943180

· **CAS Number:**

141-78-6

· **EC number:**

205-500-4

· **Index number:**

607-022-00-5

· **Registration number** 01-2119475103-46

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Not approved for private consumers.

· **Application of the substance / the mixture** Solvents

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Heimerle + Meule GmbH  
Dennigstrasse 16  
D-75179 Pforzheim

Telefon +49 (0) 7231 940-0  
Telefax +49 (0) 7231 940-2199  
www.heimerle-meule.com

· **Further information obtainable from:**

Abteilung BASU - Bau/Arbeitssicherheit/Umwelt  
Department BASU - Construction / Occupational Safety / Environment  
sds@heimerle-meule.com

IATA - 24h Emergency Contact - IATA - 24h Emergency Contact -  
(Dangerous goods emergency number)  
+49 172 739 6970

· **1.4 Emergency telephone number:**

DEUTSCHLAND - GERMANY:

Vergiftungs-Informationen-Zentrale Freiburg, ++49 761 19240 (24 h)  
(Poisoning Information Center)

GREAT BRITAIN:

National Poisons Information Service +44 121 507 4123  
Members of the public seeking specific information on poisons should contact:  
In England and Wales: NHS 111 - dial 111 - In Scotland: NHS 24 - dial 111

ITALY:

Istituto Superiore di Sanità +3906499906140

KROATIA - REPUBLIKA HRVATSKA:

(+385) 01 2348 342

ESTLAND - ESTONIA:

Tervisemeti Mürgistusteabekeskuse 16662, (+342) 7914 794

LETTLAND - LATVIA:

Latvijas Vides, ģeoloģijas un meteoroloģijas centrs (+371) 670 32600

LITAUEN - LIETUVOS RESPUBLIKA:

Apsinuodijimų informacijos biuras +370 (85) 2362052

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## SECTION 2: Hazards identification

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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

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 substance is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS02



GHS07

- Signal word *Danger*
- Hazard-determining components of labelling:  
*ethyl acetate*

- Hazard statements  
*H225 Highly flammable liquid and vapour.*  
*H319 Causes serious eye irritation.*  
*H336 May cause drowsiness or dizziness.*

- Precautionary statements

- P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
- P241 *Use explosion-proof [electrical/ventilating/lighting] equipment.*
- 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.*
- P405 *Store locked up.*
- P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

- Additional information:

*EUH066 Repeated exposure may cause skin dryness or cracking.*

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- Labelling of packages where the contents do not exceed 125 ml
- Hazard pictograms



GHS02

GHS07

- Signal word *Danger*
- Hazard-determining components of labelling:  
*ethyl acetate*
- Hazard statements *Void*
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- 3.1 Chemical characterisation: *Substances*
- CAS No. *Description*  
*141-78-6 ethyl acetate; Acetic acid, ethyl ester; Acetic ether; Ethyl ethanoate; Vinegar naphtha*
- Identification number(s)
- EC number: *205-500-4*
- Index number: *607-022-00-5*

### SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information:  
*Immediately remove any clothing soiled by the product.*  
*Personal protection for the First Aider.*  
*Take affected persons out of danger area and lay down.*  
*Involve doctor immediately after a accident or unwell*
- After inhalation: *Call a doctor immediately.*
- After skin contact:  
*Immediately rinse with water.*  
*If skin irritation continues, consult a doctor.*
- After eye contact:  
*Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*
- After swallowing:  
*Drink plenty of water and provide fresh air. Call for a doctor immediately.*  
*A person vomiting while laying on their back should be turned onto their side.*  
*Rinse out mouth and then drink plenty of water.*
- 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.*

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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
  - ABC powder
  - Water haze
  - Water spray
  - Alcohol resistant foam
  - Carbon dioxide
- Use fire extinguishing methods suitable to surrounding conditions.
- Foam
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
  - Formation of toxic gases is possible during heating or in case of fire.
  - Can form explosive gas-air mixtures.
- **5.3 Advice for firefighters**
- **Protective equipment:**



Wear self-contained respiratory protective device.

- **Additional information**
- Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Wear protective equipment. Keep unprotected persons away.
  - Use respiratory protective device against the effects of fumes/dust/aerosol.
  - Only handle and refill product in closed systems.
- **6.2 Environmental precautions:**
  - Suppress gases/fumes/haze with water spray.
  - Prevent seepage into sewage system, workpits and cellars.
  - Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Dispose 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 disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Store in cool, dry place in tightly closed receptacles.
  - Keep away from heat and direct sunlight.
  - Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
  - Keep receptacles tightly sealed.
  - Ensure good ventilation/exhaustion at the workplace.

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

Prevent formation of aerosols.

Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.

Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.

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

Fumes can combine with air to form an explosive mixture.

Danger of explosion if fluid enters the sewage system.

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 receptacles:**

Store in a cool location.

Observe official regulations on storing packagings .

Observe official regulations on storing packagings .

Prevent any seepage into the ground.

· **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 receptacles.

Store under lock and key and out of the reach of children.

· **Storage class: 3**

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

## SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 141-78-6 ethyl acetate**

WEL (Great Britain)

Short-term value: 1468 mg/m<sup>3</sup>, 400 ppm

Long-term value: 734 mg/m<sup>3</sup>, 200 ppm

IOELV (European Union)

Short-term value: 1468 mg/m<sup>3</sup>, 400 ppm

Long-term value: 734 mg/m<sup>3</sup>, 200 ppm

AGW (Germany)

Long-term value: 730 mg/m<sup>3</sup>, 200 ppm

2(I);DFG, EU, Y

· **Regulatory information**

WEL (Great Britain): EH40/2020

IOELV (European Union): (EU) 2019/1831

AGW (Germany): TRGS 900

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

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According to EC Directive 89/686/EEC

· **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.

Beware: Filter masks provide protection for a short period of time only. They should only be used in exceptional cases, that is if a small amount of the substance has spilled out or in order to fight spillages and fire.

according to EN 14387

according to EN 143

· **Recommended filter device for short term use:** Combination filter A-P2

· **Protection of hands:**

Solvent resistant gloves



Protective gloves

according to EN 374

To avoid skin problems reduce the wearing of gloves to the required minimum.

Only use chemical-protective gloves with CE-labelling of category III.

Sensibilisation by the components in the glove materials is possible.

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Prior to working with gloves the rubbing in with tanniferous skin-protecting agents for the avoidance of skin softening due to perspiration is recommended.

· **Material of gloves**

Butyl rubber, BR

Recommended thickness of the material:  $\geq 0.7$  mm

· **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least ca. 120 minutes (Permeation according to EN 16523-1:2015: Level 4).

The exact break trough 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 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 3).

Value for the permeation: Level  $\leq 3$

· **Not suitable are gloves made of the following materials:**

Natural rubber, NR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

PVC gloves

Leather gloves

Strong material gloves

· **Eye protection:**



Tightly sealed goggles

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according to EN 166

- **Body protection:**  
Solvent resistant protective clothing  
Protective work clothing

### SECTION 9: Physical and chemical properties

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

##### · General Information

##### · Appearance:

- **Form:** Fluid
- **Colour:** Colourless
- **Odour:** Fruit-like
- **Odour threshold:** Not determined.

· **pH-value:** Not determined.

##### · Change in condition

- **Melting point/freezing point:** -83.57°C (-118.4°F)
- **Initial boiling point and boiling range:** 76–78°C (168.8–172.4°F)

· **Flash point:** -1°C (30.2°F)

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** 460°C (860°F)

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Not determined.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### · Explosion limits:

- **Lower:** 2.1 Vol %
- **Upper:** 11.5 Vol %

· **Vapour pressure at 20°C (68°F):** 97 hPa (72.8 mm Hg)

· **Density at 20°C (68°F):** 0.9 g/cm<sup>3</sup> (7.51 lbs/gal)

· **Relative density** Not determined.

· **Vapour density at 20°C (68°F)** 3.04

· **Evaporation rate at 20°C (68°F)** 4.2-4.5 g/cm<sup>3</sup> (35.05-37.55 lbs/gal)

· **Solubility in / Miscibility with water at 20°C (68°F):** 79 g/l

· **Partition coefficient: n-octanol/water:** Not determined.

##### · Viscosity:

- **Dynamic at 20°C (68°F):** 0.44 mPas
- **Kinematic at 20°C (68°F):** 0.51 cSt
- **Organic solvents:** 100.0 %

· **Solids content:** 0.0 %

· **9.2 Other information** No further relevant information available.

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### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Can be distilled without decomposing at normal pressure.
- **10.3 Possibility of hazardous reactions**  
Forms explosive gas mixture with air.  
Flammable.  
Reacts spontaneously with alkaline metals.  
Reacts with acids, alkalis and oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Kalium-tert.-Butoxid.  
Lithium-Aluminiumhydrid.  
2-Chlormethylfuran.  
Acids
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Ethanol  
Ethanoic acid

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**CAS: 141-78-6 ethyl acetate**

Oral	LD50	4,935 mg/kg (rbt)
Inhalative	LC50/4 h	1,600 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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.

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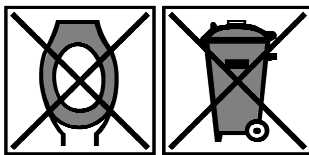
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- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment** Not applicable.
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**



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

Contact manufacturer for recycling information.

- **Waste disposal key:**  
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
- **European waste catalogue**  
There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 04*	other organic solvents, washing liquids and mother liquors
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Packaging which is uncleaned or soiled with product remains is to be treated like the product itself  
Packaging free of product remains is to be supplied refuse for recycling. Only if no adequate collecting system is available, they may be disposed of through the domestic rubbish

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1173
- **14.2 UN proper shipping name**
- **ADR** UN1173 ETHYL ACETATE
- **IMDG, IATA** ETHYL ACETATE

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· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class** 3 Flammable liquids.  
· **Label** 3

· **14.4 Packing group**

· **ADR, IMDG, IATA** II

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user**

Warning: Flammable liquids.  
· **Hazard identification number (Kemler code):** 33  
· **EMS Number:** 3-07  
· **Stowage Category** B

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ)** 1L  
· **Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml  
· **Transport category** 2  
· **Tunnel restriction code** D/E

· **IMDG**

· **Limited quantities (LQ)** 1L  
· **Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

· **IATA**

· **Remarks:**  
24h emergency contact -  
(Dangerous goods emergency number)  
  
+49 172 739 6970

· **UN "Model Regulation":** UN 1173 ETHYL ACETATE, 3, II

**SECTION 15: Regulatory information**

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

COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)

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*DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC*

· <b>TSCA (Toxic Substances Control Act)</b>
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Substance is listed.
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· <b>GADSL - Global Automotive Declarable Substance List</b>
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Substance is not listed.
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- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** Substance is not listed.

- **Seveso category P5c FLAMMABLE LIQUIDS**

- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t

- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· <b>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</b>
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Substance is not listed.
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- **National regulations:**

- **Technical instructions (air):**

Class	Share in %
NK	100.0

- **Waterhazard class:** .

- **Other regulations, limitations and prohibitive regulations -**

- **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.*

- **Reasons for revise**

*If necessary, this safety data sheet can revised according to legal guidelines.*

*Our current version for your reference is available on our website*

*www.heimerle-meule.com*

- **Department issuing SDS:**

*Abteilung BASU - Bau/Arbeitssicherheit/Umwelt*

*Department BASU - Construction / Occupational Safety / Environment*

*sds@heimerle-meule.com*

- **Contact:**

*Herr Thomas Knuth*

*Knuth@heimerle-meule.com*

*sds@heimerle-meule.com*

- **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*

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ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
 AwSV: Ordinance on facilities for handling water-polluting substances (German regulation).  
 TRGS: Technical rules for hazardous substances (German regulation)  
 ADR: Accord européen sur le transport 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  
 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  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

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