

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 03.03.2025

Version number 305

Revision: 03.03.2025

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

#### 1.1 Product identifier

Trade name: Petroleum ether E-COLL

CAS No. Description CAS: 64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Article number:

4317784349352, 4317784527491, 4317784524889, 4330816995914, 4330816995921, 4330816996713, 4330816996720

CAS Number:

64742-49-0

EC number:

920-750-0

Index number:

649-328-00-1

Registration number 01-2119473851-33-0XXX

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Application of the substance / the mixture

Lubricant

Solvents

Metal working auxiliary

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

E/D/E - Einkaufsbuero Deutscher Eisenhaendler GmbH

EDE Platz 1

D-42389 Wuppertal

Germany

Tel. +49 202 6096-0

e-mail: sdb@ede.de

Further information obtainable from: Product safety department

#### 1.4 Emergency telephone number:

Poison Control Center Mainz - 24 hour emergency service – phone: +49 (0) 6131/19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

STOT SE 3 H336 May cause drowsiness or dizziness.

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

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

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**· 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   GHS08   GHS09

**· Signal word** Danger**· Hazard-determining components of labelling:**

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

**· Hazard statements**

H225 Highly flammable liquid and vapour.

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.

P210      Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243      Take action to prevent static discharges.

P261      Avoid breathing dust/fume/gas/mist/vapours/spray.

P271      Use only outdoors or in a well-ventilated area.

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

P331      Do NOT induce vomiting.

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.

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### SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**  
CAS: 64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics
- **Identification number(s)**
- **EC number:** 920-750-0
- **Index number:** 649-328-00-1
- **Registration number** 01-2119473851-33-0XXX

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
Personal protection for the First Aider.  
Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air.  
Seek medical treatment in case of complaints.
- **After skin contact:**  
Immediately 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 a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- **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>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet

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**· 5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:  
Carbon monoxide (CO)

**· 5.3 Advice for firefighters****· Protective equipment:**

Do not inhale explosion gases or combustion gases.  
Wear fully protective suit.

**· Additional information**

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

**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation  
Keep away from ignition sources.

**· 6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Do not allow to enter sewers/ surface or ground water.

**· 6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.

**· 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**

Keep receptacles tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.

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

Fumes can combine with air to form an explosive mixture.



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Provide floor trough without outlet.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in a cool place.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making 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:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Hand protection**



Protective gloves

- **Material of gloves**  
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.  
Nitrile rubber, NBR  
Recommended thickness of the material:  $\geq 0.4$  mm

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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** Recommendation: safety glasses with side protection shield**· Body protection:**

Protective work clothing  
Boots  
Apron

**SECTION 9: Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information**

|  |                                   |
|--|-----------------------------------|
| · Colour:  | Colourless                        |
| · Odour:   | Characteristic                    |
| · Odour threshold:   | Not determined.                   |
| · Melting point/freezing point:                            | Undetermined.                     |
| · Boiling point or initial boiling point and boiling range | > 107 °C                          |
| · Flammability   | Not applicable.                   |
| · Lower and upper explosion limit                          |                                   |
| · Lower:   | Not determined.                   |
| · Upper:   | Not determined.                   |
| · Flash point:   | 1 °C                              |
| · Auto-ignition temperature:                               | 260 °C                            |
| · Decomposition temperature:                               | Not determined.                   |
| · pH   | Not determined.                   |
| · Viscosity:   |                                   |
| · Kinematic viscosity at 20 °C                             | 1 mm <sup>2</sup> /s              |
| · Kinematic: 23 °C - 4 mm (ISO 2431)                       |                                   |
| · Dynamic:   | Not determined.                   |
| · Solubility   |                                   |
| · water:   | Not miscible or difficult to mix. |
| · Partition coefficient n-octanol/water (log value)        | Not determined.                   |
| · Vapour pressure:   | Not determined.                   |
| · Density and/or relative density                          |                                   |
| · Density at 20 °C:  | 0.728 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.**

· Ignition temperature: Not determined.

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

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|   |                                     |
|---|-------------------------------------|
| · Organic solvents:   | 100.0 %                             |
| · Change in condition   |                                     |
| · Drip point:   |                                     |
| · Oxidising properties  | Not determined.                     |
| · 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                                |
| · 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**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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### 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.
- **Primary irritant effect:**
- **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.
- **Respiratory or skin sensitisation** 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** 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**

|  |
|--|
| · <b>Endocrine disrupting properties</b> |
|--|

|                          |
|--------------------------|
| Substance is not listed. |
|--------------------------|

### 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **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:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Also poisonous for fish and plankton in water bodies.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods:**  
Containers can be recycled if completely empty; if not, dispose product/containers as dangerous waste.  
Observe local regulations.

- **European waste catalogue**

|           |  |
|-----------|--|
| 07 06 04* | other organic solvents, washing liquids and mother liquors |
|-----------|--|

### SECTION 14: Transport information

- **14.1 UN number or ID number**  
· **ADR, IMDG, IATA** UN1268
- **14.2 UN proper shipping name**  
· **ADR** UN1268 PETROLEUM DISTILLATES, N.O.S., ENVIRONMENTALLY HAZARDOUS  
· **IMDG** PETROLEUM DISTILLATES, N.O.S., MARINE POLLUTANT  
· **IATA** PETROLEUM DISTILLATES, N.O.S.
- **14.3 Transport hazard class(es)**  
· **ADR, IMDG**



- **Class** 3 Flammable liquids.
- **Label** 3

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**· IATA**

- **Class** 3 Flammable liquids.
- **Label** 3
- **14.4 Packing group**
- **ADR, IMDG, IATA** II
- **14.5 Environmental hazards:**
- **Marine pollutant:** Yes  
Symbol (fish and tree)
- **Special marking (ADR):** Symbol (fish and tree)
- **14.6 Special precautions for user** Warning: Flammable liquids.
- **Hazard identification number (Kemler code):** 33
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **Transport/Additional information:**

- **ADR**
- **Limited quantities (LQ)** 1L
- **Transport category** 2
- **Tunnel restriction code** D/E
- **UN "Model Regulation":** UN1268, PETROLEUM DISTILLATES, N.O.S., ENVIRONMENTALLY HAZARDOUS, 3, II

### SECTION 15: Regulatory information

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

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**· Hazard statements**

- H225 Highly flammable liquid and vapour.
- 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.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P243 Take action to prevent static discharges.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Chemical safety assessment****· Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t****· Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t****· REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

**· REGULATION (EU) 2019/1148****· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

Substance is not listed.

**· Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

Substance is not listed.

**· Regulation (EC) No 273/2004 on drug precursors**

Substance is not listed.

**· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

**· Exposure scenario(s)**

Exposure scenario(s) of ingredients (if present) are available on request at:  
sdb@ede.de

**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.

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- **Department issuing SDS:** Product safety department

- **Contact:** sdb@ede.de

- **Date of previous version:** 09.03.2022

- **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

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

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – 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.**