

## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.03.2025

Version number 303 (replaces version 302)

Revision: 31.03.2025

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

- **1.1 Product identifier** 600290
- **Trade name:** Anaerobic adhesive E-COLL
- **Article number:** 4317784234412
- **UFI:** CPGJ-X9X8-S90D-V4HF
- **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** Adhesives
- **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**
    - Eye Irrit. 2 H319 Causes serious eye irritation.
    - Skin Sens. 1 H317 May cause an allergic skin reaction.
- 
- **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**



GHS07

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**· Signal word** Warning

- **Hazard-determining components of labelling:**  
methacrylic acid, monoester with propane-1,2-diol  
Triethylene glycol dimethacrylate  
2'-phenylacetohydrazide

**· Hazard statements**

H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

**· Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves / eye protection.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· 2.3 Other hazards**

Persons suffering from skin sensitisation problems, asthma, allergies, chronic or recurrent respiratory diseases should not be involved in any processing where this mixture is used.

**· Results of PBT and vPvB assessment**

The substances in the mixture do not fulfil the PBT/vPvB criteria according to REACH, Annex XIII.  
Persons suffering from skin sensitisation problems, asthma, allergies, chronic or recurrent respiratory diseases should not be involved in any processing where this mixture is used.

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

### SECTION 3: Composition/information on ingredients

**· 3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous components:**

|  |   |         |
|--|---|---------|
| CAS: 27813-02-1<br>EINECS: 248-666-3<br>Index number: 607-125-00-5<br>Reg.nr.: 01-2119490226-37-xxxx | methacrylic acid, monoester with propane-1,2-diol<br>⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317 | 10-<25% |
| CAS: 109-16-0<br>EINECS: 203-652-6<br>Index number: 607-768-00-1<br>Reg.nr.: 01-2119969287-21-xxxx   | Triethylene glycol dimethacrylate<br>⚠ Skin Sens. 1B, H317                                    | 2.5-10% |

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|  |  |         |
|--|--|---------|
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| CAS: 114-83-0<br>EINECS: 204-055-3                               | 2'-phenylacetohydrazide<br>⚠ Acute Tox. 3, H301<br>⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317;<br>STOT SE 3, H335   | 0.1-<1% |
| CAS: 123-31-9<br>EINECS: 204-617-8<br>Index number: 604-005-00-4 | 1,4-dihydroxybenzene<br>⚠ Muta. 2, H341; Carc. 2, H351<br>⚠ Eye Dam. 1, H318<br>⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)<br>⚠ Acute Tox. 4, H302; Skin Sens. 1, H317 | <0.1%   |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 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. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist 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>, 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:

Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)**· 5.3 Advice for firefighters****· Protective equipment:** Do not inhale explosion gases or combustion gases.**· 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**Ensure adequate ventilation  
Wear protective clothing.**· 6.2 Environmental precautions:**Prevent from spreading (e.g. by damming-in or oil barriers).  
Do not allow product to reach sewage system or any water course.**· 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).**· 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**Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.**· Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

**· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

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- **Information about storage in one common storage facility:**  
Do not store together with alkalis (caustic solutions).  
Do not store together with oxidising and acidic materials.
- **Further information about storage conditions:** Keep container tightly sealed.
- **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:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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:**  
Wash hands before breaks and at the end of work.  
Do not eat, drink, smoke or sniff while working.  
Avoid contact with the skin.  
Avoid contact with the eyes.
- **Respiratory protection:**  
Use suitable respiratory protective device in case of insufficient ventilation.  
Filter A/P2

- **Hand protection**



Protective gloves

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

- **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.

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- **Eye/face protection** Recommendation: safety glasses with side protection shield
- **Body protection:** Alkaline resistant protective clothing

### SECTION 9: Physical and chemical properties

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

##### · General Information

- |  |                                   |
|--|-----------------------------------|
| · Physical state   | Liquid                            |
| · Colour:  | Blue                              |
| · Odour:   | Characteristic                    |
| · Odour threshold:   | Not determined.                   |
| · Melting point/freezing point:                            | Undetermined.                     |
| · Boiling point or initial boiling point and boiling range | Undetermined.                     |
| · Flammability   | Not applicable.                   |
| · Lower and upper explosion limit                          |                                   |
| · Lower:   | Not determined.                   |
| · Upper:   | Not determined.                   |
| · Flash point:   | 95 °C                             |
| · Auto-ignition temperature:                               | >400 °C                           |
| · Decomposition temperature:                               | Not determined.                   |
| · pH   | Not applicable.                   |
| · Viscosity:   |                                   |
| · Kinematic viscosity                                      | Not determined.                   |
| · Kinematic: 23 °C - 4 mm (ISO 2431)                       |                                   |
| · Dynamic at 25 °C:  | 15000 - 25000 mPa·s               |
| · 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:  | 1.0 - 1.1 g/cm <sup>3</sup>       |
| · Relative density   | Not determined.                   |
| · Vapour density   | Not determined.                   |
| · Particle characteristics                                 | See section 3.                    |

#### · 9.2 Other information

- |   |   |
|---|---|
| · Appearance:   |   |
| · Form:   | Pasty   |
| · Important information on protection of health and environment, and on safety. |   |
| · Ignition temperature:   | Product is not selfigniting.                  |
| · Explosive properties:   | Product does not present an explosion hazard. |
| · Solvent separation test:  |   |
| · VOC (EC) %  | 20-40   |
| · Change in condition   |   |
| · Drip point:   |   |
| · Oxidising properties  | Not determined.                               |

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· **Evaporation rate** Not determined.

· **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>   | Void |
| · <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 |
| · <b>Desensitised explosives</b>   | 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 acids, alkalis and oxidising agents.  
Danger of polymerisation.

· **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.

### 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.

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**· LD/LC50 values relevant for classification:****CAS: 27813-02-1 methacrylic acid, monoester with propane-1,2-diol**

Oral LD50 11,200 mg/kg (rat)

**CAS: 114-83-0 2'-phenylacetohydrazide**

Oral LD50 270 mg/kg (mouse)

**CAS: 123-31-9 1,4-dihydroxybenzene**

Oral LD50 320 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rabbit)

**· 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**

May cause an allergic skin reaction.

**· 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** Based on available data, the classification criteria are not met.**· 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.**· 11.2 Information on other hazards****· Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****· 12.1 Toxicity****· Aquatic toxicity:****CAS: 123-31-9 1,4-dihydroxybenzene**

EC50/24h 0.12 mg/l (daphnia)

96h LC50 0.044 mg/l (Pimephales promelas)

**· 12.2 Persistence and degradability** No further relevant information available.**· 12.3 Bioaccumulative potential** No further relevant information available.

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- **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**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 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.

| · <b>European waste catalogue</b> |  |
|-----------------------------------|--|
| 15 01 10*                         | packaging containing residues of or contaminated by hazardous substances               |
| 08 04 09*                         | waste adhesives and sealants containing organic solvents or other hazardous substances |

### SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR** UN-
- **ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR**
- **Class** - (-)
- **ADN/R Class:** Void
- **IMDG, IATA**
- **Class** Void
- **Label** -

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- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
  
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
  
- **14.6 Special precautions for user** Not applicable.
- **Hazard identification number (Kemler code):** -
- **EMS Number:** -
  
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **UN "Model Regulation":** UN-, -

### 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**  
GHS label elements  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning
  
- **Hazard-determining components of labelling:**  
methacrylic acid, monoester with propane-1,2-diol  
Triethylene glycol dimethacrylate  
2'-phenylacetohydrazide
- **Hazard statements**  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves / eye protection.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Chemical safety assessment**
- **Named dangerous substances - ANNEX I** Methanol

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- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

- **National regulations:**

- **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

- **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.

- **Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H341 Suspected of causing genetic defects.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

- **Date of previous version:** 26.03.2025

- **Version number of previous version:** 302

- **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

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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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 2: Carcinogenicity – Category 2

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

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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

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