

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

Printing date 12.09.2023

Version number 306 (replaces version 305)

Revision: 12.09.2023

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


- **1.1 Product identifier**
- **Trade name:** Screw locking E-COLL
- **Article number:** 4317784179690, 4317784349208
- **UFI:** GXGJ-G90F-P90V-V58N
- **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:** Giftinformationszentrum Mainz – Tel.: +49 (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
  - **Signal word** Warning
  - **Hazard-determining components of labelling:**

2,2'-Ethylenedioxydiethyl dimethacrylate

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methacrylic acid, monoester with propane-1,2-diol  
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.

P280 Wear protective gloves / eye protection.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

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 of substances listed below with nonhazardous additions.**• Dangerous components:**

CAS: 109-16-0 EINECS: 203-652-6 Reg.nr.: 01-2119969287-21-xxxx	2,2'-Ethylenedioxydiethyl dimethacrylate ⚠ Skin Sens. 1, H317	25-50%
CAS: 27813-02-1 EINECS: 248-666-3 Index number: 607-125-00-5 Reg.nr.: 01-2119490226-37-xxxx	methacrylic acid, monoester with propane-1,2-diol ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	10-<25%

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CAS: 80-15-9 EINECS: 201-254-7 Index number: 617-002-00-8 Reg.nr.: 01-2119475796-19-xxxx	$\alpha,\alpha$ -dimethylbenzyl hydroperoxide  Org. Perox. E, H242  Acute Tox. 3, H331  STOT RE 2, H373  Skin Corr. 1B, H314  Aquatic Chronic 2, H411  Acute Tox. 4, H302; Acute Tox. 4, H312 Specific concentration limits: Skin Corr. 1B; H314: C $\geq$ 10 % Skin Irrit. 2; H315: 3 % $\leq$ C < 10 % Eye Dam. 1; H318: C $\geq$ 3 % Eye Irrit. 2; H319: 1 % $\leq$ C < 3 % STOT SE 3; H335: C < 10 %	0.1-<1%
CAS: 114-83-0 EINECS: 204-055-3	2'-phenylacetohydrazide  Acute Tox. 3, H301  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	0.1-<1%
CAS: 123-31-9 EINECS: 204-617-8 Index number: 604-005-00-4	1,4-dihydroxybenzene  Muta. 2, H341; Carc. 2, H351  Eye Dam. 1, H318  Aquatic Acute 1, H400 (M=10)  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:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air.
- **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:** Drink plenty of water and provide fresh air. Call for a doctor 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.

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### 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.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective clothing.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
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).
- **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.
- **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.
- **Information about storage in one common storage facility:** Store away from oxidising agents.

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**· Further information about storage conditions:**

Keep container tightly sealed.  
Protect from frost.  
Store in dry conditions.

**· 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.

**· DNELs****CAS: 109-16-0 2,2'-Ethylenedioxydiethyl dimethacrylate**

Dermal Long term value for employees 13.9 mg/kg bw/Tag /AF-72 (industrial use)

**· 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.  
Avoid contact with the skin.  
Avoid contact with the eyes.

**· Respiratory protection:** Not necessary if room is well-ventilated.**· Hand protection**

Protective gloves

**· Material of gloves**

Nitrile rubber, NBR  
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.

**· Eye/face protection** Recommendation: safety glasses with side protection shield

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### SECTION 9: Physical and chemical properties

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

##### General Information

• 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:	96 °C
• Decomposition temperature:	Not determined.
• pH at 20 °C	3.5
• Viscosity:	
• Kinematic viscosity at 20 °C	1,190 mm <sup>2</sup> /s
• Kinematic: 23 °C - 4 mm (ISO 2431)	
• Dynamic at 20 °C:	1,250 mPas
• 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:	1.05 g/cm <sup>3</sup>
• Relative density	Not determined.
• Vapour density	Not determined.

#### 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.
• VOC (EC) g/l	
• VOCV (CH)	0.0 % 0,00 %
• 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	Void

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- **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** 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:** 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.

**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)
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**CAS: 80-15-9  $\alpha,\alpha$ -dimethylbenzyl hydroperoxide**

Oral	LD50	382 mg/kg (rat)
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Dermal	LD50	500 mg/kg (rat)
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Inhalative	LC50/4h	220 ppm (rat)
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**CAS: 114-83-0 2'-phenylacetohydrazide**

Oral	LD50	270 mg/kg (mouse)
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- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.

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- **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: 80-15-9  $\alpha,\alpha$ -dimethylbenzyl hydroperoxide**

LC50 (96h) 3.9 mg/L (Oncorhynchus mykiss)

EC50/24h 7 mg/l (daphnia)

- **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:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Harmful to aquatic organisms  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.



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**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.

**· Recommendation**

Completely emptied packagings can be given for recycling. (In accordance with local authority regulations, take to chemical/physical treatment plant.)

**· European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
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**SECTION 14: Transport information****· 14.1 UN number or ID number**

· ADR, ADN, IMDG, IATA Void

**· 14.2 UN proper shipping name**

· ADR, ADN, IMDG, IATA Void

**· 14.3 Transport hazard class(es)**

· ADR, ADN, IMDG, IATA

· Class Void

**· 14.4 Packing group**

· ADR, IMDG, IATA Void

**· 14.5 Environmental hazards:**

· Marine pollutant: No

**· 14.6 Special precautions for user**

Not applicable.

**· 14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· UN "Model Regulation":

Void

**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 product is classified and labelled according to the CLP regulation.

**· Hazard pictograms**

GHS07

· **Signal word** Warning

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**· Hazard-determining components of labelling:**

2,2'-Ethylenedioxydiethyl dimethacrylate  
methacrylic acid, monoester with propane-1,2-diol  
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.  
P280 Wear protective gloves / eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

H242 Heating may cause a fire.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

**· Department issuing SDS: Product safety department****· Contact: sdb@ede.de****· Date of previous version: 19.05.2021****· Version number of previous version: 305****· 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

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ELINCS: European List of Notified Chemical Substances

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

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Org. Perox. E: Organic peroxides – Type E/F

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 2: Carcinogenicity – Category 2

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

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

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