

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.12.2020

Version number 302

Revision: 07.12.2020


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

- **1.1 Product identifier**
- **Trade name:** Socket and bearing fastener - High strength - medium viscosity E-COLL
- **Article number:** 4317784251136, 4317784251143
- **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-hydroxyethyl methacrylate
  - methacrylic acid, monoester with propane-1,2-diol

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**· 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.  
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 Chemical characterisation: Mixtures**

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

**· Dangerous components:**

CAS: 868-77-9 EINECS: 212-782-2 Index number: 607-124-00-X	2-hydroxyethyl methacrylate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	20-40%
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	1-15%
CAS: 80-15-9 EINECS: 201-254-7 Index number: 617-002-00-8 Reg.nr.: 01-2119475796-19-xxxx	α,α -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	<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.

**· After inhalation:**

Supply fresh air.

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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 fire with alcohol resistant 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.  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)

**· 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.  
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:** 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).

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**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:** 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.

- Storage class:** -

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

**SECTION 8: Exposure controls/personal protection**

- 8.1 Control parameters**

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

- 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: 868-77-9 2-hydroxyethyl methacrylate**Inhalative | Long term value for employees | 4.9 mg/m<sup>3</sup> (industrial use)

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

- 8.2 Exposure controls**

- Personal protective equipment:**

- General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Wash hands before breaks and at the end of work.

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Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.

- **Respiratory protection:**  
Use suitable respiratory protective device in case of insufficient ventilation.  
Filter A/P2

- **Protection of hands:**



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 protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**
  - Form:** Fluid
  - Colour:** Different according to colouring
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
  - Melting point/freezing point:** Undetermined.
  - Initial boiling point and boiling range:** Undetermined.
- **Flash point:** 95 °C
- **Flammability (solid, gas):** Not applicable.
- **Decomposition temperature:** Not determined.

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- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Oxidising properties** Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** 1.1 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Solvent separation test:**
  - Organic solvents: 0.0 %
  - VOCV (CH) 0.00 %
- **9.2 Other information** No further relevant information available.

**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.

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**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: 868-77-9 2-hydroxyethyl methacrylate**

Oral LD50 5,050 mg/kg (rat)

**CAS: 27813-02-1 methacrylic acid, monoester with propane-1,2-diol**

Oral LD50 11,200 mg/kg (rat)

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

Oral LD50 382 mg/kg (rat)

Dermal LD50 500 mg/kg (rat)

Inhalative LC50/4h 220 ppm (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**

May cause an allergic skin reaction.

**Additional toxicological information:****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** 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.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****CAS: 868-77-9 2-hydroxyethyl methacrylate**

LC50 (96h) 100 mg/L (Oncorhynchus mykiss) (OECD 202)

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

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

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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.
- **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.
- **12.5 Results of PBT and vPvB assessment**
- **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:**  
Containers can be recycled if completely empty; if not, dispose product/containers as dangerous waste.  
Observe local regulations.

· **European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 01 10*	packaging containing residues of or contaminated by hazardous substances

**SECTION 14: Transport information**

- **14.1 UN-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** - (-)
- **Label** -
- **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:** Not applicable.
  
- **14.6 Special precautions for user** Not applicable.
- **Hazard identification number (Kemler code):** -
- **EMS Number:** -
  
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **UN "Model Regulation":** Void

**SECTION 15: Regulatory information**

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
  
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Methanol
  
- **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**

None of the ingredients is 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.

- **Relevant phrases**

H242 Heating may cause a fire.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

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

- **Abbreviations and acronyms:**

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

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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 - oral – Category 4

Acute Tox. 3: Acute toxicity - inhalation – Category 3

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

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

Skin Sens. 1: Skin sensitisation – Category 1

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

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

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