

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

- **1.1 Product identifier**
- **Trade name:** High-performance cooling lubricant concentrate E-COLL
- **Article number:** 4317784348904, 4317784015356
- **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
- **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**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **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 statements**  
 H315 Causes skin irritation.
- **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.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 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.

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### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

|  |   |         |
|--|---|---------|
| CAS: 68920-66-1<br>NLP: 500-236-9<br>Reg.nr.: 01-2119489407-26-xxxx  | fatty alcohol ethoxylate<br>⚠ Skin Irrit. 2, H315                               | 2,5-10% |
| CAS: 68603-39-4  | Ethoxylated Alkyl Monoethanolamide<br>⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319 | 2,5-10% |
| CAS: 115-70-8<br>EINECS: 204-101-2                                   | 2-Amino-2-ethyl-1,3-propanediol<br>⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319    | <2,5%   |
| CAS: 112-34-5<br>EINECS: 203-961-6<br>Reg.nr.: 01-2119475104-44-0000 | 2-(2-butoxyethoxy)ethanol<br>⚠ Eye Irrit. 2, H319                               | <2,5%   |
| CAS: 68425-15-0  | Ditertiododecylpentasulfid<br>Aquatic Chronic 4, H413                           | <2,5%   |

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

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **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.  
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.

### 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:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** 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:**  
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** Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:** No special measures required.
- **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.
- **Further information about storage conditions:** Protect from frost.
- **Storage class:** -
- **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:**

#### 112-34-5 2-(2-butoxyethoxy)ethanol

|     |  |
|-----|--|
| WEL | Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm<br>Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm |
|-----|--|

- **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.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

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

##### · **Protection of hands:**



Protective gloves

##### · **Material of gloves**

PVC gloves

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

- **Eye protection:** Recommendation: safety glasses with side protection shield

- **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

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|   |   |
|---|---|
| <b>Colour:</b>                                    | Yellow  |
| <b>· Odour:</b>                                   | Mild  |
| <b>· Odour threshold:</b>                         | Not determined.                               |
| <b>· pH-value at 20 °C:</b>                       | 9,2   |
| <b>· Change in condition</b>                      |   |
| <b>Melting point/Melting range:</b>               | Undetermined.                                 |
| <b>Boiling point/Boiling range:</b>               | Undetermined.                                 |
| <b>· Flash point:</b>                             | > 110 °C                                      |
| <b>· Flammability (solid, gaseous):</b>           | Not applicable.                               |
| <b>· Ignition temperature:</b>                    |   |
| <b>Decomposition temperature:</b>                 | Not determined.                               |
| <b>· Self-igniting:</b>                           | Product is not selfigniting.                  |
| <b>· Danger of explosion:</b>                     | Product does not present an explosion hazard. |
| <b>· Explosion limits:</b>                        |   |
| <b>Lower:</b>                                     | Not determined.                               |
| <b>Upper:</b>                                     | Not determined.                               |
| <b>· Oxidising properties</b>                     | Not determined.                               |
| <b>· Vapour pressure:</b>                         | Not determined.                               |
| <b>· Density at 20 °C:</b>                        | 0,93 g/cm <sup>3</sup>                        |
| <b>· Relative density</b>                         | Not determined.                               |
| <b>· Vapour density</b>                           | Not determined.                               |
| <b>· Evaporation rate</b>                         | Not determined.                               |
| <b>· Solubility in / Miscibility with water:</b>  | Not miscible or difficult to mix.             |
| <b>· Partition coefficient (n-octanol/water):</b> | Not determined.                               |
| <b>· Viscosity:</b>                               |   |
| <b>Dynamic:</b>                                   | Not determined.                               |
| <b>Kinematic at 20 °C:</b>                        | 38 mm <sup>2</sup> /s                         |
| <b>VOC (EC) %</b>                                 | 0.00 %  |
| <b>VOCV (CH)</b>                                  | 2.00 %  |
| <b>· 9.2 Other information</b>                    | 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.

### SECTION 11: Toxicological information

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

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- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **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.
- **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:** 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.
- **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.
- **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**
- |           |  |
|-----------|--|
| 12 01 09* | machining emulsions and solutions free of halogens |
|-----------|--|

### SECTION 14: Transport information

- |  |       |
|--|-------|
| · <b>14.1 UN-Number</b>                  |       |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void  |
| · <b>14.2 UN proper shipping name</b>    |       |
| · <b>ADR</b>                             | UN-   |
| · <b>ADN, IMDG, IATA</b>                 | Void  |
| · <b>14.3 Transport hazard class(es)</b> |       |
| · <b>ADR</b>                             |       |
| · <b>Class</b>                           | - (-) |
| · <b>Label</b>                           | -     |
| · <b>ADN/R Class:</b>                    | Void  |

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

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|  |                 |
|--|-----------------|
| · <b>IMDG, IATA</b>  |                 |
| · <b>Class</b>   | Void            |
| · <b>Label</b>   | -               |
| · <b>14.4 Packing group</b>  |                 |
| · <b>ADR, IMDG, IATA</b>   | Void            |
| · <b>14.5 Environmental hazards:</b>   |                 |
| · <b>Marine pollutant:</b>   | No              |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | Void            |

### SECTION 15: Regulatory information

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **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.*

- **Relevant phrases**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H413 May cause long lasting harmful effects to aquatic life.
- **Department issuing MSDS:** Product safety department
- **Contact:**  
sdb@ede.de  
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  
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)  
VOC: Volatile Organic Compounds (USA, EU)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4