

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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

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

- **1.1 Product identifier** 600026
- **Trade name:** Concentrated drilling oil E-COLL
- **Article number:** 4317784015530, 4317784015547, 4317784348874
- **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** Coolant/ Cutting solution
- **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.  
Aquatic Chronic 3   H412 Harmful to aquatic life with long lasting effects.

**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**  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 2)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 1)

**Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read label before use.  
 P264 Wash thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear eye protection / face 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.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

- EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
 Contains biocidal products: pyridine-2-thiol 1-oxide, sodium salt

**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: 64742-53-6 EINECS: 265-156-6 Index number: 649-466-00-2 Reg.nr.: 01-2119480375-34-xxxx	Distillates (petroleum), hydrotreated light naphthenic ⚠ Asp. Tox. 1, H304	50-100%
CAS: 64742-54-7 EINECS: 265-157-1 Reg.nr.: 01-211948627-25-xxxx	Distillates (petroleum), hydrotreated heavy paraffinic ⚠ Asp. Tox. 1, H304	10-50%
CAS: 68920-66-1 Reg.nr.: 01-2119489407-26	Fettalkohol, ethoxiliert ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315	2.5-10%
CAS: 115-70-8 EINECS: 204-101-2	2-Amino-2-ethyl-1,3-propanediol ⚠ Eye Dam. 1, H318	0.1-<1%
CAS: 157707-44-3 Polymer	Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), ethoxylated ⚠ Eye Dam. 1, H318	<1.25%
CAS: 3811-73-2 EINECS: 223-296-5	pyridine-2-thiol 1-oxide, sodium salt ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<0.1%

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

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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 2)

**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:** 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** Gastric or intestinal disorders**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.**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)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

**5.3 Advice for firefighters****Protective equipment:** Wear self-contained respiratory protective device.**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**

Particular danger of slipping on leaked/spilled product.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

(Contd. on page 4)

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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 3)

- **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 item 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** Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:**  
Protect from heat.  
Avoid open flames, sparks, other sources of ignition and direct sunlight.
- **7.2 Conditions for safe storage, including any incompatibilities**  
Keep food, beverages and pet food away.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Protect from contamination.
- **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:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**· DNELs****CAS: 68920-66-1 Fettalkohol, ethoxyliert**

Dermal	DNEL (worker)	2,080 mg/kg bw/day (professional use)
Inhalative	Long term value for employees	294 mg/m <sup>3</sup> (professional use)

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

(Contd. on page 5)

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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 4)

**· 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.  
Store protective clothing separately.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.

**· Respiratory protection:**

Respiratory protection is not required when used properly and under normal conditions.  
Use breathing protection if ventilation is inadequate  
Filter P2  
FFP 2  
Respiratory protective devices - gas filters and combination devices according to DIN EN 141

**· Protection of hands:**

Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.

**· Material of gloves**

Nitrile rubber, NBR  
Chloroprene rubber, CR  
Penetration time (min.) : > 480  
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.  
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**· Eye protection:**

Tightly sealed goggles

Recommendation: safety glasses with side protection shield

**· Body protection:**

Protective work clothing  
Impervious protective clothing

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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 5)

**SECTION 9: Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information****· Appearance:****Form:** Fluid**Colour:** Orange**· Odour:** Characteristic**· Odour threshold:** Not determined.**· pH-value:** Not determined.**· Change in condition****Melting point/freezing point:** Undetermined.**Initial boiling point and boiling range:** >270 °C**· Flash point:** 101 °C**· Flammability (solid, gas):** Not applicable.**· Decomposition temperature:** Not determined.**· 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 at 20 °C:** 0.1 hPa**· Density:** Not determined.**· Relative density** Not determined.**· Vapour density** Not determined.**· Evaporation rate** Not determined.**· Solubility in / Miscibility with water:**

Fully miscible.

**· Partition coefficient: n-octanol/water:** Not determined.**· Viscosity:****Dynamic:** Not determined.**Kinematic at 20 °C:** 30 mm<sup>2</sup>/s**VOC (EC) %** 0.00 %**VOC (EC) g/l** 6.8 g/l

(Contd. on page 7)

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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 6)

**Solids content:** 0.0 %· **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.

**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: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic**

Oral LD50 5,000 mg/kg (rat)

Dermal LD50 5,000 mg/kg (rat)

**CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic**

Oral LD50 &gt;5,000 mg/kg (rat)

Dermal LD50 &gt;5,000 mg/kg (rabbit)

Inhalative LC50/4h >5,000 mg/m<sup>3</sup> (rat)**CAS: 68920-66-1 Fettalkohol, ethoxyliert**

Oral LD50 &gt;2,000 mg/kg (rat)

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

Inhalative LC50/6h >100 mg/m<sup>3</sup> (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** Based on available data, the classification criteria are not met.

(Contd. on page 8)

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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 7)

- **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: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic**

EC50 (21d)	>10 mg/L (Daphnia galeata)
EC50 (48h)	>10,000 mg/L (Daphnia galeata)
NOEC (21d)	10 mg/l (Daphnia galeata)

**CAS: 68920-66-1 Fettalkohol, ethoxyliert**

LC50 (96h)	108 mg/L (Brachydanio rerio)
EL50 akut (48h)	51 mg/l (Daphnia magna)
EL50 akut (72h)	>100 mg/l (Desmodesmus subspicatus)
NOEC (10d)	0.16 mg/l (Lepomis macrochirus)

- **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.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **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.  
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 9)



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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 8)

- **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.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

- **14.1 UN-Number**  
· **ADR, IMDG, IATA** Void
- **14.2 UN proper shipping name**  
· **ADR, 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:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **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**

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Methanol
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Information about limitation of use:**  
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.  
Employment restrictions concerning pregnant and lactating women must be observed.

(Contd. on page 10)

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

Printing date 06.04.2020

Version number 303

Revision: 06.04.2020

**Trade name: Concentrated drilling oil E-COLL**

(Contd. of page 9)

- **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**

H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
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  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
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  
Acute Tox. 4: Acute toxicity - oral – 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  
Asp. Tox. 1: Aspiration hazard – Category 1  
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  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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