

*** 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
- **UFI:** TR10-90JY-W00A-2543

- **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 Eisenhaendlr 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.

(Contd. on page 2)

EU

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

Printing date 20.11.2023

Version number 305 (replaces version 304)

Revision: 20.11.2023

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 1)

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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, 1,2-benzisothiazol-3(2H)-one

· 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: 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 Index number: 649-467-00-8 Reg.nr.: 01-211948627-25-xxxx	Distillates (petroleum), hydrotreated heavy paraffinic  Asp. Tox. 1, H304 Specific concentration limit: Asp. Tox. 1; H304: C ≥ 5 %	10-50%
CAS: 68920-66-1 Reg.nr.: 01-2119489407-26	Fettalkohol, ethoxyliert  Aquatic Chronic 2, H411  Skin Irrit. 2, H315	2.5-10%
CAS: 64742-54-7 EINECS: 265-157-1 Index number: 649-467-00-8 Reg.nr.: 01-2119484627-25-0025	Distillates (petroleum), hydrotreated heavy paraffinic  Asp. Tox. 1, H304	<1.25%
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 (M=100); Aquatic Chronic 1, H410 (M=10)  Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<0.1%

(Contd. on page 3)

EU

Printing date 20.11.2023

Version number 305 (replaces version 304)

Revision: 20.11.2023

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 2)		
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazol-3(2H)-one  Eye Dam. 1, H318  Aquatic Acute 1, H400  Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	<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: 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:** CO2, 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 (NOx)

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.

(Contd. on page 4)

EU

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 3)

· 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: No special measures required.**· 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 section 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****· 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.

(Contd. on page 5)

EU

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 4)

· DNELs		
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic		
Inhalative	DNEL (worker)	5.6 mg/m ³ (professional use)
	DNEL (population)	1.2 mg/m ³ (cus)
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 ³ (professional use)
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic		
Inhalative	Long term value for employees	5.4 mg/m ³ (rat)

- **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:

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.

Filter P2

FFP 2

Respiratory protective devices - gas filters and combination devices according to DIN EN 141

· Hand protection

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: ≥ 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.

(Contd. on page 6)

EU

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 5)

· Eye/face protection

Tightly sealed goggles

Recommendation: safety glasses with side protection shield

· Body protection:

Protective work clothing

Impervious protective clothing

SECTION 9: Physical and chemical properties**· 9.1 Information on basic physical and chemical properties****· General Information****· Colour:**

Orange

· Odour:

Characteristic

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

>270 °C

· Flammability

Not applicable.

· Lower and upper explosion limit

Not determined.

· Lower:

Not determined.

· Upper:

Not determined.

· Flash point:

101 °C

· Decomposition temperature:

Not determined.

· pH

Not determined.

· Viscosity:30 mm²/s**· Kinematic viscosity at 20 °C****· Kinematic: 23 °C - 4 mm (ISO 2431)**

Not determined.

· Dynamic:**· Solubility**

Fully miscible.

· water:**· Partition coefficient n-octanol/water (log value)****· Vapour pressure at 20 °C:**

Not determined.

0.1 hPa

· Density and/or relative density

Not determined.

· Density:**· Relative density**

Not determined.

· Vapour density

Not determined.

· 9.2 Other information**· Appearance:**

Fluid

· Form:**· Important information on protection of health and environment, and on safety.**

Product is not selfigniting.

· Ignition temperature:

Product does not present an explosion hazard.

· Explosive properties:**· Solvent separation test:**

0.00 %

· VOC (EC) %

6.8 g/l

· VOC (EC) g/l

0.0 %

· Solids content:

(Contd. on page 7)

EU

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 6)

· 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
· 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: 64742-53-6 Distillates (petroleum), hydrotreated light naphthenic		
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Oral	LD50	5,000 mg/kg (rat)
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(Contd. on page 8)

EU

Printing date 20.11.2023

Version number 305 (replaces version 304)

Revision: 20.11.2023

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 7)		
Dermal	LD50	5,000 mg/kg (rat)
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic		
Oral	LD50	>2,000 mg/kg (rat) (OCED 401)
Dermal	LD50	>2,000 mg/kg (rabbit) (OCED 402)
	NOEC(14d)	≥1,000 mg/l (Fis)
CAS: 68920-66-1 Fettalkohol, ethoxyliert		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/6h	>100 mg/m ³ (rat)
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic		
Inhalative	LC50/4h	>100 mg/m ³ (Pimephales promelas)
CAS: 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt		
Oral	LD50	500 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (rat)
Inhalative	LC50/4h	1.5 ppm (rat)

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

LC50 (96h)	>100 mg/L (Pimephales promelas) (OCED 203)
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(Contd. on page 9)

EU

Trade name: Concentrated drilling oil E-COLL

		(Contd. of page 8)
EC50 (48h)	>10,000 mg/L (Daphnia magna) (OECD 202)	
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)	
CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic		
LC50 (96h)	>100 mg/L (Pimephales promelas)	
EC50 (21d)	>10 mg/L (Daphnia galeata)	
EC50 (48h)	>10,000 mg/L (Daphnia galeata)	
EC50/72h	>100 mg/l (Desmodesmus subspicatus)	
EL50/48h	>100 mg/l (Pseudokirchneriella subcapitata)	
	>10,000 mg/l (Daphnia magna)	
NOEC (21d)	>10 mg/l (Daphnia galeata)	

- **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:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Harmful to aquatic organisms
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.

European waste catalogue

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

EU

(Contd. on page 10)

Safety data sheet

Printing date 20.11.2023

Version number 305 (replaces version 304)

Revision: 20.11.2023

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 9)

SECTION 14: Transport information

- 14.1 UN number or ID 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 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
- **Hazard statements**
 - H319 Causes serious eye irritation.
 - H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
 - P101 If medical advice is needed, have product container or label at hand.
 - P102 Keep out of reach of children.
 - 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.

(Contd. on page 11)

EU

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 10)

- 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.

· 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.

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.
H317 May cause an allergic skin reaction.
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**· Date of previous version:** 20.11.2023**· Version number of previous version:** 304**· 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
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 – 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
Asp. Tox. 1: Aspiration hazard – Category 1

(Contd. on page 12)

EU

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

Printing date 20.11.2023

Version number 305 (replaces version 304)

Revision: 20.11.2023

Trade name: Concentrated drilling oil E-COLL

(Contd. of page 11)

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.

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