

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.11.2020


Version number 309

Revision: 12.11.2020

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

- **1.1 Product identifier** 600014
- **Trade name:** Cutting oil spray E-COLL
- **Article number:** 4317784348942
- **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**  
Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.  
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**  
  
GHS02
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Distillates (petroleum), hydrotreated heavy paraffinic

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**· Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
 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.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P273 Avoid release to the environment.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Additional information:**

Buildup of explosive mixtures possible without sufficient ventilation.

**· 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: 64742-54-7 EINECS: 265-157-1 Reg.nr.: 01-211948627-25-xxxx	Distillates (petroleum), hydrotreated heavy paraffinic ⚠ Asp. Tox. 1, H304	50-100%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	2.5-10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	2.5-10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane, pure ⚠ Flam. Gas 1A, H220 Press. Gas (Comp.), H280	2.5-10%
CAS: 95-38-5 EINECS: 204-414-9 Reg.nr.: 01-2119777867-13-xxxx	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol ⚠ STOT RE 2, H373 ⚠ Skin Corr. 1C, H314 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312	>0.25-<1%

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- **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**

- **After inhalation:** Supply fresh air.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** 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 fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet

**5.2 Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.**5.3 Advice for firefighters**

- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information** Cool endangered receptacles with water spray.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation

**6.2 Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.  
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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Do not flush with water or aqueous cleansing agents

**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**

Open and handle receptacle with care.  
Use only in well ventilated areas.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Do not spray onto a naked flame or any incandescent material.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.  
Observe official regulations on storing packagings with pressurised containers.

**Information about storage in one common storage facility:**

Store away from flammable substances.  
Store away from foodstuffs.  
Store away from oxidising agents.

**Further information about storage conditions:**

Keep container tightly sealed.  
Protect from heat and direct sunlight.

**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.

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

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**· 8.2 Exposure controls****· Personal protective equipment:****· General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

**· Respiratory protection:**

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

**· Protection of hands:**

Protective gloves

**· Material of gloves**

Nitrile rubber, NBR

Chloroprene rubber, CR

Penetration time (min.) : &gt;480 min.

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:** Safety glasses**\* SECTION 9: Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information****· Appearance:**

- Form:** Aerosol
- Colour:** Colourless
- Odour:** Characteristic
- Odour threshold:** Not determined.

**· pH-value:** Not determined.**· Change in condition**

- Melting point/freezing point:** Undetermined.
- Initial boiling point and boiling range:** -44 °C

**· Flash point:** -97 °C

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- **Flammability (solid, gas):** Not determined.
- **Ignition temperature:** 365 °C
- **Decomposition temperature:** Not determined.
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
  - **Lower:** 0.9 Vol %
  - **Upper:** 7.0 Vol %
- **Oxidising properties** Not determined.
- **Vapour pressure at 20 °C:** 0.1 hPa
- **Density at 20 °C:** 0.45 g/cm<sup>3</sup>
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not applicable.
- **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.
- **VOC (EC) %** 30.13 %
- **VOC (EC) g/l** 135.9 g/l
- **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.

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- **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: 74-98-6 propane**Inhalative LC50/4h >20 mg/m<sup>3</sup> (rat)**CAS: 106-97-8 butane, pure**

Inhalative LC50/4h 658 ppm (rat)

**CAS: 95-38-5 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol**

Oral LD50 1,256 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **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**  
May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****CAS: 95-38-5 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol**

LC50 (96h) 0.3 mg/L (Brachydanio rerio)

EC50/72h 0.03 mg/l (Desmodosmus subspicatus)

EL50/48h 0.136 mg/l (Daphnia galeata)

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- **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 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:**· **European waste catalogue**

16 05 04\* gases in pressure containers (including halons) containing hazardous substances

**SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, IMDG, IATA**

UN1950

- **14.2 UN proper shipping name**
- **ADR**
- **IMDG, IATA**

UN1950 AEROSOLS  
AEROSOLS

- **14.3 Transport hazard class(es)**
- **ADR**



- **Class**

2 5F Gases.

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· **Label** 2.1· **IMDG, IATA**· **Class** 2 Gases.  
· **Label** 2.1· **14.4 Packing group**  
· **ADR** Void· **14.5 Environmental hazards:**  
· **Marine pollutant:** No· **14.6 Special precautions for user** Warning: Gases.  
· **EMS Number:** F-D,S-U· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.· **Transport/Additional information:**· **ADR**  
· **Limited quantities (LQ)** 1L  
· **Transport category** 2  
· **Tunnel restriction code** D  
· **UN "Model Regulation":** UN1950, AEROSOLS, 2.1**SECTION 15: Regulatory information**· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.· **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**

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

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H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**· Department issuing SDS:** Product safety department**· Contact:**Head of Product Safety Department  
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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Acute Tox. 4: Acute toxicity - oral – Category 4

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

STOT RE 2: Specific target organ toxicity (repeated exposure) – 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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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