

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.02.2026

Version number 313 (replaces version 312)

Revision: 11.12.2025

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

- **1.1 Product identifier** 600003
- **Trade name:** Universal cold cleaner E-COLL
- **CAS No. Description** Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
- **Article number:** 4317784349055
- **EC number:**
918-481-9
- **Index number:**
649-327-00-6
- **Registration number** 01-2119457273-39-xxxx
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU21 Consumer uses: Private households / general public / consumers
- **Application of the substance / the mixture** Cleaner solvent
- **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:**
Poison Control Center Mainz - 24 hour emergency service – phone: +49 (0) 6131/19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.

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· Hazard pictograms

GHS08

· Signal word Danger**· Hazard-determining components of labelling:**

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

· Hazard statements

H304 May be fatal if swallowed and enters airways.

· Precautionary statements

P260 Do not breathe mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

Ingredients according to Regulation (EC) 648/2004:

30 % and above aliphatic hydrocarbons

less than 5 % aromatic hydrocarbons

EUH066 Repeated exposure may cause skin dryness or cracking.

· 2.3 Other hazards Endocrine disrupting properties: The substance is not contained.**· Results of PBT and vPvB assessment****· PBT:** Not applicable**· vPvB:** Not applicable*** SECTION 3: Composition/information on ingredients****· 3.1 Substances****· CAS No. Description**

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

· Identification number(s)**· EC number:** 918-481-9**· Index number:** 649-327-00-6**· Registration number** 01-2119457273-39-xxxx**· Additional information:**

No functional additives such as corrosion inhibitors, fragrances, colourants, surfactants or similar additives are used. The product is therefore classified as a substance (UVCB) under chemical legislation and not as a mixture.

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The product contains only the REACH registered UVCB substance hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics. The proportions "30% and above aliphatic hydrocarbons; below 5% aromatic hydrocarbons" stated on the labelling in accordance with Regulation (EC) No. 648/2004 describe the aliphatic or aromatic fractions within this one substance and do not represent additionally added individual substances in the sense of a mixture.

SVHC

This preparation does not contain substances of very high concern (SVHC) in a concentration of $\geq 0.1\%$ according to Regulation (EC) 1907/2006, Article 57.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air.

Seek medical treatment.

After skin contact:

Immediately rinse with water.

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: 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:**

Use fire extinguishing methods suitable to surrounding conditions.

Water spray

CO₂

Fire-extinguishing powder

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **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.
- **6.2 Environmental precautions:** Do not allow to penetrate the ground/soil.
- **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).
- **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** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**
 Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.
- **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:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

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* SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:** Not required.

· **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.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2

· **Hand protection**



Protective gloves

· **Material of gloves**

Nitrile rubber (NBR), recommended material thickness: ≥ 0.38 mm, breakthrough time: ≥ 480 min.

Fluororubber (Viton)

Gloves made from PVA.

The selection of a suitable glove depends not only on the material, but also on other quality features quality features and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The protective gloves should be replaced at the first sign of wear.

The exact breakthrough time can be obtained from the protective glove manufacturer and must be observed

· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Nitrile rubber with 0.4 mm layer thickness, (recommended: Protection index 6, corresponding to over 480 minutes

permeation time according to EN 374).

Caution! The daily usage time of a chemical protective glove can be significantly shorter than the conditions at the workplace (mechanical stress, temperature) can be significantly shorter than the permeation time determined according to EN 374

permeation time.

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- **As protection from splashes gloves made of the following materials are suitable:**

Chloroprene rubber

Recommended material thickness: ≥ 0.7 mm

- **Eye/face 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**

- **Physical state**

Liquid

- **Colour:**

Colourless

- **Odour:**

Mild

- **Odour threshold:**

Not determined

- **Melting point/freezing point:**

Undetermined

- **Boiling point or initial boiling point and boiling range**

175-230 °C

- **Flammability**

Not applicable

- **Lower and upper explosion limit**

- **Lower:**

0.6 Vol % (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

- **Upper:**

7 Vol % (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

- **Flash point:**

>61 °C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

- **Decomposition temperature:**

Not determined

- **pH**

Not determined

- **Viscosity:**

- **Kinematic viscosity at 20 °C**

1.57 mm²/s (DIN 53211/4)

- **Kinematic: 23 °C - 4 mm (ISO 2431)**

- **Dynamic:**

Not determined

- **Solubility**

- **water:**

Insoluble.

Not miscible or difficult to mix.

- **Partition coefficient n-octanol/water (log value)**

Not determined

- **Vapour pressure at 20 °C:**

<1 hPa (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

- **Density and/or relative density**

- **Density at 20 °C:**

0.8 g/cm³

- **Relative density**

Not determined

- **Vapour density**

Not determined

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· 9.2 Other information**· Appearance:****· Form:**

Fluid

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

233 - 255 °C (DIN 51794)

· Explosive properties:

Product does not present an explosion hazard.

· Solvent content:**· VOC (EC) %**

799,0 g/l

· VOCV (CH)

100,00 %

· Molecular weight

162 g/mol

162 g/mol

· Change in condition**· 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**

Under normal ambient conditions and when used as intended, no particular hazards due to reactivity are to be expected.

· 10.2 Chemical stability

The product is chemically stable if the storage and handling conditions mentioned in section 7 are observed. The substance can be distilled at normal pressure without decomposing. Thermal decomposition is only to be expected at temperatures far above the boiling range (e.g. in case of fire).

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- **Thermal decomposition / conditions to be avoided:**
Can be distilled without decomposing at normal pressure.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid**
Heating, naked flames and ignition sources. Flammable vapour-air mixtures may form when heated.
- **10.5 Incompatible materials:** Strong oxidising agents.
- **10.6 Hazardous decomposition products:**
Thermal decomposition can produce various substances, the exact composition of which depends on the decomposition conditions. Carbon monoxide and carbon dioxide

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:**

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rat)

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Oral	LD50	>15,000 mg/kg (rat) (OECD 401)
Dermal	LD50	3,400 mg/kg (rat) (OECD 402)
Inhalative	LC50/4h	13,100 ppm (rat) (OECD 403)

- **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.
- **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.

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- **11.2 Information on other hazards**
- **Endocrine disrupting properties** Substance is not listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Inhalative	LC50	>1,000 mg/L (Lepomis macrochirus)
	EC50	>1,000 mg/l (algae)
	EL50/48h	1,000 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
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:**
Product / residues:
Must not be disposed of with household waste.
Do not allow to enter the sewage system or bodies of water.
Product residues and absorbents contaminated with the product (binding agents, wiping cloths, etc.) must be disposed of as hazardous waste at an authorised waste disposal company.
Disposal must be carried out in accordance with local/national regulations.
Uncleaned packaging:
Containers that are not completely empty must be disposed of as hazardous waste in the same way as the substance/mixture.
Completely emptied, drip-free packaging can be sent for material recovery (e.g. recycling) or returned to

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the supplier for reuse - in each case in accordance with local disposal regulations.

· European waste catalogue

07 01 04* other organic solvents, washing liquids and mother liquors

SECTION 14: Transport information

- 14.1 UN number or ID number
- ADR, ADN, IMDG, IATA Void

- 14.2 UN proper shipping name
- ADR, ADN, 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:
- Marine pollutant: No

- 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

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008
The substance is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS08

- Signal word Danger

- Hazard-determining components of labelling:
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
- Hazard statements
H304 May be fatal if swallowed and enters airways.

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· Precautionary statements

- P260 Do not breathe mist/vapours/spray.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3,28,29
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
Substance is not listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS** (Upper limit value for the purpose of licensing under Article 5(3))
Substance is not listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS** Substance is not listed.
- **Regulation (EC) No 273/2004 on drug precursors** Substance is not listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
Substance is not listed.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
CAS 64742-48-9, identified by this CAS number in countries not subject to the REACH Regulation.
- **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.

- **Department issuing SDS:** Product safety department
- **Contact:**
Head of Product Safety Department
sdb@ede.de
- **Date of previous version:** 30.10.2025
- **Version number of previous version:** 312
- **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
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)
LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Asp. Tox. 1: Aspiration hazard – Category 1

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

EU