

Printing date 20.02.2024

Version number 307

Revision: 20.02.2024

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

- · 1.1 Product identifier 600242
- · Trade name: Label Remover E-COLL
- · Article number: 4317784499934
- · UFI: V9YQ-N4WC-8C04-D6MK

#### · 1.2 Relevant identified uses of the substance or mixture and uses advised against

· Sector of Use

SU21 Consumer uses: Private households / general public / consumersSU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Application of the substance / the mixture Cleaning material/ Detergent

#### · 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

Tel. +49 202 6096-0 e-mail: sdb@ede.de

Germany

- · 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-H22	9 Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 2	H411	Toxic 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



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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (R)-p-mentha-1,8-diene Hydrocarbons, C10-C12, isoalkanes, <2% aromatics

#### · Hazard statements

- H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H411 Toxic 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.
- P261 Avoid breathing spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- 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 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

<ul> <li>Dangerous components:</li> </ul>		
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	10-<25%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35-XXXX	<ul> <li>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</li> <li>Flam. Liq. 2, H225</li> <li>Asp. Tox. 1, H304</li> <li>Aquatic Chronic 2, H411</li> <li>Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H336</li> </ul>	10-<25%
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EC number: 923-037-2 Reg.nr.: 01-2119471991-29	Hydrocarbons, C10-C12, isoalkanes, <2% aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	10-<25%
CAS: 109-87-5 EINECS: 203-714-2 Reg.nr.: 01-2119664781-31-xxxx	dimethoxymethane	10-<25%
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-096-00-2 Reg.nr.: 01-2119529223-47-0000	<ul> <li>(R)-p-mentha-1,8-diene</li> <li>Flam. Liq. 3, H226</li> <li>Asp. Tox. 1, H304</li> <li>Aquatic Acute 1, H400</li> <li>Skin Irrit. 2, H315; Skin Sens. 1B, H317</li> <li>Aquatic Chronic 3, H412</li> </ul>	2.5-10%
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 Acute Tox. 1, H330 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%

#### • Regulation (EC) No 648/2004 on detergents / Labelling for contents

30 % and more aliphatic hydrocarbons perfumes Limonene Linalool

· 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:

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.



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If symptoms persist consult doctor.

- **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: CO2, 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 No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.
- Additional information
   Cool endangered receptacles with water spray.
   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 Wear protective equipment. Keep unprotected persons away.

· 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). 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**

 $\cdot$  7.1 Precautions for safe handling Use only in well ventilated areas.

#### · Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.



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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:** Observe official regulations on storing packagings with pressurised containers.
- · Information about storage in one common storage facility: Store away from oxidising agents.
- · Further information about storage conditions: Store in a cool place.
- 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.
- 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: Wash hands before breaks and at the end of work. Avoid contact with the skin.
- · Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation. Short term filter device: Filter A/P2

· Hand protection



## Material of gloves Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.4$  mm



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#### · 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/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		
· Colour:	Colourless	
· Odour:	Characteristic	
· Odour threshold:	Not determined.	
· Melting point/freezing point:	Undetermined.	
Boiling point or initial boiling point and boiling		
range	Not applicable, as aerosol.	
· Flammability	Not applicable.	
· Lower and upper explosion limit		
· Lower:	0.6 Vol %	
· Upper:	8.5 Vol %	
· Flash point:	Not applicable, as aerosol.	
· Auto-ignition temperature:	235 °C	
· Decomposition temperature:	Not determined.	
· pH	Not determined.	
· Viscosity:		
· Kinematic viscosity	Not determined.	
· Kinematic: 23 °C - 4 mm (ISO 2431)		
· Dynamic:	Not determined.	
· Solubility		
· water:	Not miscible or difficult to mix.	
· Partition coefficient n-octanol/water (log value)	Not determined.	
· Vapour pressure at 20 °C:	3,000 hPa	
· Density and/or relative density		
· Density at 20 °C:	0.68 g/cm <sup>3</sup>	
· Relative density	Not determined.	
· Vapour density	Not determined.	
· 9.2 Other information		
· Appearance:		
· Form:	Aerosol	
· Important information on protection of health		
and environment, and on safety.		
· Ignition temperature:	Product is not selfigniting.	
· Explosive properties:	Not determined.	
· Solvent separation test:		
· Organic solvents:	100 %	



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Change in condition	
· Drip point:	Not determined
Oxidising properties	Not determined.
· Evaporation rate	Not applicable.
· Information with regard to physical hazard	
classes	
· Explosives	Void
<ul> <li>Flammable gases</li> </ul>	Void
· Aerosols	Extremely flammable aerosol. Pressurised container:
	May burst if heated.
<ul> <li>Oxidising gases</li> </ul>	Void
<ul> <li>Gases under pressure</li> </ul>	Void
<ul> <li>Flammable liquids</li> </ul>	Void
<ul> <li>Flammable solids</li> </ul>	Void
<ul> <li>Self-reactive substances and mixtures</li> </ul>	Void
<ul> <li>Pyrophoric liquids</li> </ul>	Void
<ul> <li>Pyrophoric solids</li> </ul>	Void
<ul> <li>Self-heating substances and mixtures</li> </ul>	Void
<ul> <li>Substances and mixtures, which emit flammat</li> </ul>	ble
gases in contact with water	Void
<ul> <li>Oxidising liquids</li> </ul>	Void
<ul> <li>Oxidising solids</li> </ul>	Void
<ul> <li>Organic peroxides</li> </ul>	Void
<ul> <li>Corrosive to metals</li> </ul>	Void
<ul> <li>Desensitised explosives</li> </ul>	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.



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. I D/I C50 values relevant for classification:

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· LD/LC50 values relevant for classification:			
CAS: 106-97-8 butane, pure			
Inhalative	Inhalative LC50/4h 658 ppm (rat)		
Hydrocarl	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral	LD50	5,000 mg/kg (rat)	
Dermal	LD50	2,000 mg/kg (rat)	
Inhalative	LC50/4h	20 ppm (rat)	
Hydrocarbons, C10-C12, isoalkanes, <2% aromatics			
Oral	LD50	>5,000 mg/kg (rat) (OCED 401)	
Dermal	LD50	>5,000 mg/kg (rabbit) (OCED 402)	
Inhalative	LC50/4h	>5,000 mg/m³ (rat)	
CAS: 109-	87-5 dim	ethoxymethane	
Oral	LD50	5,708 mg/kg (rabbit)	
CAS: 5989	9-27-5 (R)	-p-mentha-1,8-diene	
Oral	LD50	4,400 mg/kg (rat)	
CAS: 74-98-6 propane			
Inhalative	LC50/4h	>20 mg/m³ (rat)	

#### · Skin corrosion/irritation

Causes skin irritation.

- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- · 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.
- 11.2 Information on other hazards
- Endocrine disrupting properties None of the ingredients is listed.

# SECTION 12: Ecological information

· 12.1 Toxicity

#### · Aquatic toxicity:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

EC50/72h 30 mg/l (algae)



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EL50/48h	3 mg/l (Daphnia magna) 11.4 mg/l (Oncorhynchus mykiss)
LL50/96h	11.4 mg/I (Oncorhynchus mykiss)
CAS: 75-28-5 isobutane	
EC50 (48h)	69.43 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
- · Remark: Toxic for 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. Also poisonous for fish and plankton in water bodies.

#### **SECTION 13: Disposal considerations**

#### · 13.1 Waste treatment methods:

#### · European waste catalogue

15 01 10<sup>\*</sup> packaging containing residues of or contaminated by hazardous substances 16 05 04<sup>\*</sup> gases in pressure containers (including halons) containing hazardous substances

#### **SECTION 14: Transport information**

14.1 UN number or ID number ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name ADR	UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
IMDG	AEROSOLS, MARINE POLLUTANT
ΙΑΤΑ	AEROSOLS, solution (Contd.

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· 14.3 Transport hazard class(e	s)	
· ADR		
· Class · Label	2 5F Gases. 2.1	
·IMDG		
· Class · Label	2 Gases. 2.1	
	2.1	
· Class · Label	2 Gases. 2.1	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
• 14.5 Environmental hazards:		
<ul> <li>Marine pollutant:</li> <li>Special marking (ADR):</li> </ul>	Yes Symbol (fish and tree) Symbol (fish and tree)	
<ul> <li>• 14.6 Special precautions for u</li> <li>• EMS Number:</li> </ul>	ser Warning: Gases. F-D,S-U	
<ul> <li>14.7 Maritime transport in bull instruments</li> </ul>	k according to IMO Not applicable.	
· Transport/Additional informat	ion:	
<ul> <li>ADR</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>	1L Code: E0 Not permitted as Excep	oted Quantity
<ul> <li>Transport category</li> <li>Tunnel restriction code</li> <li>UN "Model Regulation":</li> </ul>	2 D UN1950, AEROSOLS, HAZARDOUS, 2.1	

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#### **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



· Signal word Danger

#### · Hazard-determining components of labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

(R)-p-mentha-1,8-diene Hydrocarbons, C10-C12, isoalkanes, <2% aromatics

#### Hazard statements

- H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H411 Toxic 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.
- P261 Avoid breathing spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- 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.
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I Methanol
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · 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.

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EU

### Safety data sheet

according to 1907/2006/EC, Article 31

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#### · REGULATION (EU) 2019/1148

 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

#### · Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

• Exposure scenario(s) Exposure scenario(s) of ingredients (if present) are available on request at:

#### **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.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

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.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· Contact: sdb@ede.de

#### · Date of previous version: 08.05.2023

#### · 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) 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 Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 1: Acute toxicity – Category 1 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Skin Sens. 1: Skin sensitisation - Category 1 Skin Sens. 1B: Skin sensitisation - Category 1B STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Asp. Tox. 1: Aspiration hazard - Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

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Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

 $\cdot$  \* Data compared to the previous version altered.