

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

Printing date 23.01.2024

Version number 312 (replaces version 311)

Revision: 23.01.2024

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

- 1.1 Product identifier 600042
- Trade name: Spray-on grease E-COLL
- Article number: 4317784348959
- UFI: 09ER-9XUQ-JC0X-437W
- 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 Lubricant
- 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](mailto: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.
Skin Irrit. 2	H315	Causes skin irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
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



GHS02 GHS07 GHS09

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EU

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**Trade name: Spray-on grease E-COLL**

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• **Signal word** Danger

• **Hazard-determining components of labelling:**

Hydrocarbons, C7, n-alkanes, iso-alkanes, cycloalkanes

Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane

• **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

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.

P271 Use only outdoors or in a well-ventilated area.

P302+P352 IF ON SKIN: Wash with plenty of water.

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.

• **Dangerous components:**

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	25-50%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33-XXXX	Hydrocarbons, C7, n-alkanes, iso-alkanes, cycloalkanes Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	10-25%
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	10-25%

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CAS: 64742-49-0 EC number: 931-254-9 Reg.nr.: 01-2119484651-34	Hydrocarbons, C6, isoalkanes, <5% n-hexane ⚠ Flam. Liq. 2, H225 ☠ Asp. Tox. 1, H304 🐟 Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	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	1-2.5%
CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0 Reg.nr.: 01-2119480412-44-xxxx	n-hexane ⚠ Flam. Liq. 2, H225 ☠ Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304 🐟 Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 Specific concentration limit: STOT RE 2; H373: C ≥ 5 %	<1%
CAS: 110-82-7 EINECS: 203-806-2 Index number: 601-017-00-1 Reg.nr.: 01-2119463273-41-xxxx	cyclohexane ⚠ Flam. Liq. 2, H225 ☠ Asp. Tox. 1, H304 🐟 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	<1%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide ☠ Carc. 2, H351	<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:** Immediately remove any clothing soiled by the product.

- **After inhalation:** Supply fresh air.

- **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:** Drink plenty of water and provide fresh air. Call for a doctor 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.

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### 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** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Wear fully protective suit.
- **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 product to reach sewage system or any water course.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **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.

Protect against electrostatic charges.  
Do not spray onto a naked flame or any incandescent material.

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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 oxidising agents.**· Further information about storage conditions:**

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

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****· 8.1 Control parameters****· Ingredients with limit values that require monitoring at the workplace:****CAS: 110-54-3 n-hexane**IOELV Long-term value: 72 mg/m<sup>3</sup>, 20 ppm**CAS: 110-82-7 cyclohexane**IOELV Long-term value: 700 mg/m<sup>3</sup>, 200 ppm**· 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:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

**· Respiratory protection:**

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Short term filter device:

Filter A/P2

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· **Hand protection**

Protective gloves

· **Material of gloves**

Nitrile rubber, NBR

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/face protection** Safety glasses\* **SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· **General Information**· **Physical state**

Aerosol

· **Colour:**

White

· **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:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

-71 °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:**

Not determined.

· **Density and/or relative density**· **Density at 20 °C:**0.79 g/cm<sup>3</sup>· **Relative density**

Not determined.

· **Vapour density**

Not determined.

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

Aerosol

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

- |                         |                              |
|-------------------------|------------------------------|
| · Ignition temperature: | Product is not selfigniting. |
| · Explosive properties: | Not determined.              |
| · Change in condition   |                              |
| · Drip point:           |                              |
| · Oxidising properties  | Not determined.              |
| · Evaporation rate      | Not applicable.              |

**· Information with regard to physical hazard classes**

- |  |   |
|--|---|
| · Explosives   | Void  |
| · Flammable gases  | Void  |
| · Aerosols   | Extremely flammable aerosol. Pressurised container:<br>May burst if heated. |
| · 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<br>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.

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**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: 106-97-8 butane, pure**

Inhalative LC50/4h 658 ppm (rat)

**CAS: 74-98-6 propane**Inhalative LC50/4h >20 mg/m<sup>3</sup> (rat)**CAS: 110-82-7 cyclohexane**

Oral LD50 12,705 mg/kg (rat)

**CAS: 13463-67-7 titanium dioxide**

Oral LD50 &gt;20,000 mg/kg (rat)

Dermal LD50 &gt;10,000 mg/kg (rabbit)

Inhalative LC50/4h &gt;6.82 ppm (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** 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**

May cause drowsiness or dizziness.

**· 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:****CAS: 75-28-5 isobutane**

EC50 (48h) 69.43 mg/L (daphnia)

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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.
- **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:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Toxic for aquatic organisms  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods:**

**European waste catalogue**

16 05 04*	gases in pressure containers (including halons) containing hazardous substances
15 01 10*	packaging containing residues of or contaminated by 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
- **IATA** AEROSOLS
- **14.3 Transport hazard class(es)**
- **ADR**



- **Class** 2 5F Gases.

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· Label 2.1

· IMDG



· Class 2 Gases.  
· Label 2.1

· IATA



· Class 2 Gases.  
· Label 2.1

· 14.4 Packing group  
· ADR, IMDG, IATA Void

· 14.5 Environmental hazards:  
· Marine pollutant: Yes  
Symbol (fish and tree)  
Symbol (fish and tree)  
· Special marking (ADR):

· 14.6 Special precautions for user Warning: Gases.  
· EMS Number: F-D,S-U

· 14.7 Maritime transport in bulk according to IMO instruments Not applicable.

· Transport/Additional information:

· ADR  
· Limited quantities (LQ) 1L  
· Transport category 2  
· Tunnel restriction code D  
· UN "Model Regulation": UN1950, AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1

### 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.

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**· Hazard pictograms**

GHS02 GHS07 GHS09

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

Hydrocarbons, C7, n-alkanes, iso-alkanes, cycloalkanes

Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane

**· Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

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.

P271 Use only outdoors or in a well-ventilated area.

P302+P352 IF ON SKIN: Wash with plenty of water.

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****· Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t**· Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**· National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

**· 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.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

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H330 Fatal if inhaled.  
H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H361f Suspected of damaging fertility.  
H373 May cause damage to organs through prolonged or repeated exposure.  
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.

• **Department issuing SDS:** Product safety department

• **Contact:** Head of Product Safety Department

• **Date of previous version:** 10.11.2022

• **Version number of previous version:** 311

• **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  
Acute Tox. 1: Acute toxicity – Category 1  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Carc. 2: Carcinogenicity – Category 2  
Repr. 2: Reproductive toxicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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