

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

- **1.1 Product identifier**
- **Trade name:** Gun and foam cleaner E-COLL
- **Article number:** 4317784349376
- **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** 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  
 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**



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.  
 STOT SE 3 H336 May cause drowsiness or dizziness.

- **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

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*acetone*
- **Hazard statements**  
 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.
- **Precautionary statements**  
 P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.

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## Safety data sheet

according to 1907/2006/EC, Article 31

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- P210 *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
- P251 *Do not pierce or burn, even after use.*
- P211 *Do not spray on an open flame or other ignition source.*
- P271 *Use only outdoors or in a well-ventilated area.*
- P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
- 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:**

*EUH066 Repeated exposure may cause skin dryness or cracking.*  
*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: 67-64-1<br>EINECS: 200-662-2<br>Reg.nr.: 01-2119471330-49       | acetone<br>⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 | 50-100% |
| CAS: 75-28-5<br>EINECS: 200-857-2<br>Reg.nr.: 01-2119485395-27-xxxx  | isobutane<br>⚠ Flam. Gas 1, H220; Press. Gas C, H280                   | 2.5-10% |
| CAS: 115-10-6<br>EINECS: 204-065-8<br>Reg.nr.: 01-2119472128-37-xxxx | dimethyl ether<br>⚠ Flam. Gas 1, H220; Press. Gas C, H280              | 2.5-10% |
| CAS: 74-98-6<br>EINECS: 200-827-9<br>Reg.nr.: 01-2119486944-21-xxxx  | propane<br>⚠ Flam. Gas 1, H220; Press. Gas C, H280                     | 2.5-10% |
| CAS: 124-38-9<br>EINECS: 204-696-9                                   | carbon dioxide<br>⚠ Press. Gas L, H280                                 | 2.5-10% |

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

*5 % or over but less than 15 %*

*aliphatic hydrocarbons*

- **Additional information:** For the wording of the listed risk 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. Then consult a doctor.

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- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
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:**  
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.  
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.  
Ensure adequate ventilation
- **6.2 Environmental precautions:** 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.  
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:**  
Keep container tightly sealed.  
Protect from heat and direct sunlight.

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· 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:**

**67-64-1 acetone**

|     |  |
|-----|--|
| WEL | Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm<br>Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm |
|-----|--|

**115-10-6 dimethyl ether**

|     |   |
|-----|---|
| WEL | Short-term value: 958 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 766 mg/m <sup>3</sup> , 400 ppm |
|-----|---|

**124-38-9 carbon dioxide**

|     |   |
|-----|---|
| WEL | Short-term value: 27400 mg/m <sup>3</sup> , 15000 ppm<br>Long-term value: 9150 mg/m <sup>3</sup> , 5000 ppm |
|-----|---|

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

· **Respiratory protection:**

Short term filter device:

Use suitable respiratory protective device in case of insufficient ventilation.

Filter AX

· **Protection of hands:**



Protective gloves

· **Material of gloves**

Butyl rubber, BR

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.

· **Eye 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**

· **Appearance:**

**Form:** Aerosol

**Colour:** Colourless

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|   |  |
|---|--|
| · <b>Odour:</b>                                   | Characteristic                             |
| · <b>Odour threshold:</b>                         | Not determined.                            |
| · <b>pH-value:</b>                                | Not determined.                            |
| · <b>Change in condition</b>                      |  |
| <b>Melting point/Melting range:</b>               | Undetermined.                              |
| <b>Boiling point/Boiling range:</b>               | Not applicable, as aerosol.                |
| · <b>Flash point:</b>                             | Not applicable, as aerosol.                |
| · <b>Flammability (solid, gaseous):</b>           | Not applicable.                            |
| · <b>Ignition temperature:</b>                    | 465 °C                                     |
| · <b>Decomposition temperature:</b>               | Not determined.                            |
| · <b>Self-igniting:</b>                           | Product is not selfigniting.               |
| · <b>Danger of explosion:</b>                     | Not determined.                            |
| · <b>Explosion limits:</b>                        |  |
| <b>Lower:</b>                                     | 2.6 Vol %                                  |
| <b>Upper:</b>                                     | 13.0 Vol %                                 |
| · <b>Vapour pressure at 20 °C:</b>                | 57300 hPa                                  |
| · <b>Density at 20 °C:</b>                        | 0.53 g/cm <sup>3</sup>                     |
| · <b>Relative density</b>                         | Not determined.                            |
| · <b>Vapour density</b>                           | Not determined.                            |
| · <b>Evaporation rate</b>                         | Not applicable.                            |
| · <b>Solubility in / Miscibility with water:</b>  | Not miscible or difficult to mix.          |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                   | Not determined.                            |
| <b>Kinematic:</b>                                 | Not determined.                            |
| <b>VOC (EC) %</b>                                 | 90.00 %                                    |
| <b>VOC (EC) g/l</b>                               | 476.6 g/l                                  |
| <b>VOCV (CH)</b>                                  | 90.00 %                                    |
| · <b>9.2 Other information</b>                    | 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.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values relevant for classification:**

**67-64-1 acetone**

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 5800 mg/kg (rat) |
|------|------|------------------|

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|        |      |                      |
|--------|------|----------------------|
| Dermal | LD50 | 20000 mg/kg (rabbit) |
|--------|------|----------------------|

- **Primary irritant effect:**
- **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.
- **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**  
May cause drowsiness or dizziness.
- **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.

## SECTION 12: Ecological information

### · 12.1 Toxicity

#### · Aquatic toxicity:

|                        |
|------------------------|
| <b>67-64-1 acetone</b> |
|------------------------|

|          |                   |
|----------|-------------------|
| 96h LC50 | 5540 mg/l (trout) |
|----------|-------------------|

- **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.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it 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:

Containers can be recycled if completely empty; if not, dispose product/containers as dangerous waste. Observe local regulations.

#### · European waste catalogue

|           |  |
|-----------|--|
| 15 01 10* | packaging containing residues of or contaminated by dangerous substances |
|-----------|--|

|           |   |
|-----------|---|
| 16 05 04* | gases in pressure containers (including halons) containing dangerous substances |
|-----------|---|

## SECTION 14: Transport information

### · 14.1 UN-Number

· ADR, IMDG, IATA

UN1950

### · 14.2 UN proper shipping name

· ADR

UN1950 AEROSOLS

· IMDG, IATA

AEROSOLS

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· **14.3 Transport hazard class(es)**

· **ADR**



- **Class** 2 5F Gases.  
· **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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **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.

· **Relevant phrases**

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· **Department issuing MSDS:** Product safety department

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

· **Abbreviations and acronyms:**

Flam. Gas 1: Flammable gases, Hazard Category 1

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**according to 1907/2006/EC, Article 31**

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*Aerosol 1: Flammable aerosols, Hazard Category 1*  
*Press. Gas C: Gases under pressure: Compressed gas*  
*Press. Gas L: Gases under pressure: Liquefied gas*  
*Flam. Liq. 2: Flammable liquids, Hazard Category 2*  
*Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2*  
*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

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