

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

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

- **1.1 Product identifier** 600268
- **Trade name:** Tool and Mould Cleaner E-COLL
- **Article number:** 4317784305709
- **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** Maintenance product
- **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.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
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

- **Signal word** Danger

(Contd. on page 2)

## Safety data sheet

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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL**

(Contd. of page 1)

**Hazard-determining components of labelling:**

 hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cycloalkanes, < 5% n-hexane  
 propan-2-ol  
 acetone

**Hazard statements**

 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
 H315 Causes skin irritation.  
 H319 Causes serious eye 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.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves / eye protection.  
 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:**

EUH018 In use may form flammable/explosive vapour-air mixture.

**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: 64742-49-0 EINECS: 265-151-9 Index number: 649-328-00-1 Reg.nr.: 01-2119475514-35-XXXX	hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cycloalkanes, < 5% n-hexane ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane ⚠ Flam. Gas 1, H220 ⚠ Acute Tox. 1, H330 Press. Gas (Comp.), H280	25-50%

(Contd. on page 3)

## Safety data sheet

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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL**

(Contd. of page 2)

CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane, pure ⚠ Flam. Gas 1, H220 ⚠ Press. Gas (Comp.), H280	25-50%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-<25%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	2.5-10%
<b>· Regulation (EC) No 648/2004 on detergents / Labelling for contents</b>		
aliphatic hydrocarbons		≥30%

- **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.  
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.

##### · **After swallowing:**

Rinse out mouth and then drink plenty of water.  
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

(Contd. on page 4)

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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL**

(Contd. of page 3)

- **5.2 Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **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:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
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** 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:** None.

(Contd. on page 5)

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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL**

(Contd. of page 4)

- **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:**

**CAS: 67-64-1 acetone**IOELV | Long-term value: 1210 mg/m<sup>3</sup>, 500 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:**

Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.

- **Respiratory protection:**

Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.  
Self-contained respiratory protective device.

- **Protection of hands:**



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 protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL**

(Contd. of page 5)

**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:** Not applicable, as aerosol.**· Flash point:** Not applicable, as aerosol.**· Flammability (solid, gas):** Not applicable.**· Ignition temperature:** 365 °C**· Decomposition temperature:** Not determined.**· Auto-ignition temperature:** Product is not selfigniting.**· Explosive properties:** Not determined.**· Explosion limits:****Lower:** 1.5 Vol %**Upper:** 12.0 Vol %**· Oxidising properties** Not determined.**· Vapour pressure at 20 °C:** 4200 hPa**· Density:** Not determined.**· 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.**Organic solvents:** 100.0 %

(Contd. on page 7)

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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL****VOCV (CH)**

100.00 %

(Contd. of page 6)

**· 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.
- **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.
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **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.

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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL**

(Contd. of page 7)

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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:** 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.  
Danger to drinking water if even small quantities leak into the ground.  
Toxic for aquatic organisms  
Also poisonous for fish and plankton in water bodies.
- **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**

16 05 05 | gases in pressure containers other than those mentioned in 16 05 04

**SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1950
  
- **14.2 UN proper shipping name**
- **ADR** UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
- **IMDG** AEROSOLS

(Contd. on page 9)



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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL**

(Contd. of page 8)

· IATA AEROSOLS, flammable

· 14.3 Transport hazard class(es)

· ADR

· Class 2 5F Gases.  
· Label 2.1

· IMDG, IATA

· Class 2.1  
· Label 2.1

· 14.4 Packing group

· ADR, IMDG, IATA Void

· 14.5 Environmental hazards: Product contains environmentally hazardous substances: hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cycloalkanes, &lt; 5% n-hexane

· Marine pollutant: No

· 14.6 Special precautions for user Warning: Gases.

· Hazard identification number (Kemler code): -

· 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  
· Excepted quantities (EQ) Code: E0  
Not permitted as Excepted Quantity

· Transport category 2

· Tunnel restriction code D

· IMDG

· Limited quantities (LQ) 1L  
· Excepted quantities (EQ) Code: E0  
Not permitted as Excepted Quantity

· UN "Model Regulation": UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

EU

(Contd. on page 10)

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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

**Trade name: Tool and Mould Cleaner E-COLL**

(Contd. of page 9)

### SECTION 15: Regulatory information

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Methanol
- **Seveso category**  
P3a FLAMMABLE AEROSOLS  
E2 Hazardous to the Aquatic Environment
- **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
- **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.  
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.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.
- **Contact:** 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)  
VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Gas 1: Flammable gases – Category 1  
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 - inhalation – Category 1  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

(Contd. on page 11)



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

Printing date 19.05.2020

Version number 304

Revision: 19.05.2020

---

**Trade name: Tool and Mould Cleaner E-COLL**

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(Contd. of page 10)

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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— EU —