

Printing date 24.01.2024 Version number 306 (replaces version 305)

Revision: 24.01.2024

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

- · 1.1 Product identifier 600102
- · Trade name: Feuchtigkeitsschutz Spray E-COLL
- · Article number: 4317784006644
- · 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 Anti-moisture agent
- · 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-H22	9 Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 3	3 H412	Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is close find and labelled according to the CLP regu

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms



· Signal word Danger

• Hazard-determining components of labelling: Hydrocarbons, C10-C13, n-alkanes, <2% aromatics



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hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cycloalkanes, < 5% n-hexane

· Hazard statements

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

H315 Causes skin irritation.

H412 Harmful 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.

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:

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

EUH208 Contains Benzolsulfonsäuren, di-C10-14-alkyl Derivate, Calcium Salze. May produce an allergic reaction.

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:

Bangereae compensitio.		
EC number: 929-018-5	Hydrocarbons, C10-C13, n-alkanes, <2% aromatics	40-50%
	🚸 Asp. Tox. 1, H304	
CAS: 106-97-8	butane, pure	25-50%
EINECS: 203-448-7	🚸 Flam. Gas 1A, H220	
Index number: 601-004-00-0	Press. Gas (Comp.), H280	
Reg.nr.: 01-2119474691-32-xxxx		
CAS: 74-98-6	propane	10-<25%
EINECS: 200-827-9	Flam. Gas 1A, H220	
Index number: 601-003-00-5	Acute Tox. 1, H330	
Reg.nr.: 01-2119486944-21-xxxx	Press. Gas (Comp.), H280	
CAS: 64742-49-0	hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cycloalkanes,	4-10%
EINECS: 265-151-9	< 5% n-hexane	
Index number: 649-328-00-1	📀 Flam. Liq. 2, H225	
Reg.nr.: 01-2119475514-35-XXXX		
	🚯 Aquatic Chronic 2, H411	
	🚯 Skin Irrit. 2, H315; STOT SE 3, H336	
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CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	0.5-2.5%
EINECS: 203-961-6	♦ Eye Irrit. 2, H319	
Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44-0000		
CAS: 1471316-72-9	Benzolsulfonsäuren, di-C10-14-alkyl Derivate, Calcium Salze	0.5-2.5%
EC number: 939-603-7 Reg.nr.: 01-2119978241-36	Skin Sens. 1, H317	

• 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. Take affected persons out of danger area and lay down.

· 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. Do not induce vomiting; call for medical help immediately. 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.

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

Formation of toxic gases is possible during heating or in case of fire. Can form explosive gas-air mixtures.



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· 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:

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

 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 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: 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

· 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:			
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol			
IOELV Short-term value: 101.2 mg/m ³ , 15 ppm			
ng-term value: 67.5 mg/m	13, 10 p	pm	
34-5 2-(2-butoxyethoxy)	ethan	ol	
DNEL (populution)		1.25 mg/kg bw/day (cus)	
DNEL (worker)		20 mg/kg bw/day (professional use)	
DNEL (population)		10 mg/kg bw/day (cus)	
Inhalative Long term value for employees		34 mg/m³ (cus)	
		67.5 mg/m ³ (professional use)	
DNEL (worker)		67.5 mg/m ³ (professional use)	
DNEL (population)		34 mg/m³ (cus)	
· PNECs			
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol			
uatic compartment Water	0.1 m	g/L (Sea Water)	
PNEC-Sewage treatment plant 200 mg/L (S)			
	34-5 2-(2-butoxyethoxy) ort-term value: 101.2 mg/ ng-term value: 67.5 mg/m 34-5 2-(2-butoxyethoxy) DNEL (populution) DNEL (population) Long term value for empl DNEL (population) DNEL (population) 34-5 2-(2-butoxyethoxy) uatic compartment Water	34-5 2-(2-butoxyethoxy)ethan ort-term value: 101.2 mg/m³, 15 ng-term value: 67.5 mg/m³, 10 p 34-5 2-(2-butoxyethoxy)ethan DNEL (populution) DNEL (population) Long term value for employees DNEL (population) Long term value for employees DNEL (population) 34-5 2-(2-butoxyethoxy)ethan uatic compartment Water 0.1 m	

• 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. 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:

Respiratory protection is not required when used properly and under normal conditions. Use breathing protection if ventilation is inadequate Filter A2 Short term filter device: Filter A/P2

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Protective gloves

- Material of gloves
 Penetration time (min.) : > 6h
 Nitrile rubber, NBR
 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/face protection Safety glasses
- · Body protection: Light weight protective clothing

SECTION 9: Physical and chemical properties

General Information Colour: Yellowish	
· Colour: Yellowish	
· 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: Not applicable, as aerosol.	
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: 4,200 hPa	
Density and/or relative density	
· Density at 20 °C: 0.7 g/cm ³	
· Relative density Not determined.	
· Vapour density Not determined.	
	on page 7)

- EU ----

E-COLL

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

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• 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:	> 90 %
 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:
	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 flammabl	
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 Reacts with strong oxidising agents.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.



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• **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.

· LD/LC50 values relevant for classification:			
CAS: 106-97-8 butane, pure			
h 658 ppm (rat)			
pane			
h >20 mg/m ³ (rat)			
hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cycloalkanes, < 5% n-hexane			
>5,000 mg/kg (rat)			
>2,920 mg/kg (rat)			
>2,000 mg/kg (rabbit)			
h >25 mg/m ³ (rat)			
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol			
4,900 mg/kg (rat)			
4,900 mg/kg (rabbit)			
CAS: 1471316-72-9 Benzolsulfonsäuren, di-C10-14-alkyl Derivate, Calcium Salze			
10,000-20,000 mg/kg (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 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.

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SECTION 12: Ecological information

	12.1	Toxicity
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· Aquatic toxicity:

1			
CAS: 112-34-5 2-(2-bu			vethoxy)ethanol
ſ	Inhalative	LC50	>100 mg/L (crustacean)
		LC50 akut (96h)	1,300 mg/L (Lepomis macrochirus)
		LC50 akut	>100 mg/L (Brachydanio rerio)
		EC50	>100 mg/l (Desmodesmus subspicatus)

• **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: Harmful to fish
- · Additional ecological information:
- · General notes:

Harmful to 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:** 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

14.1 UN number or ID number ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name ADR	UN1950 AEROSOLS



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· IMDG, IATA	AEROSOLS	(Contd. of page 9)
 · 14.3 Transport hazard cl · ADR 	ass(es)	
· Class · Label	2 5F Gases. 2.1	
· IMDG, IATA		
· Class · Label	2 Gases. 2.1	
 14.4 Packing group ADR, IMDG 	Void	
 · 14.5 Environmental haza · Marine pollutant: 	ards: No	
 14.6 Special precautions EMS Number: Stowage Code Segregation Code 	F-D,S-U SW1 Protected from source SW22 For AEROSOLS with litre: Category A. For AERO above 1 litre: Category B. Fo Category C, Clear of living o SG69 For AEROSOLS with litre: Segregation as for class 9.5 class 1 except for division 1	a maximum capacity of 1 SOLS with a capacity or WASTE AEROSOLS: quarters. a maximum capacity of 1 Stow "separated from" .4.
	For AEROSOLS with a capa Segregation as for the appro 2. For WASTE AEROSOLS: Segregation as for the appro 2.	opriate subdivision of class
 14.7 Maritime transport i instruments 	in bulk according to IMO Not applicable.	
· Transport/Additional info	ormation:	
 ADR Limited quantities (LQ) Excepted quantities (EQ 	Not permitted as Excepted (Quantity
Transport category	2	(Contd. on page 11)

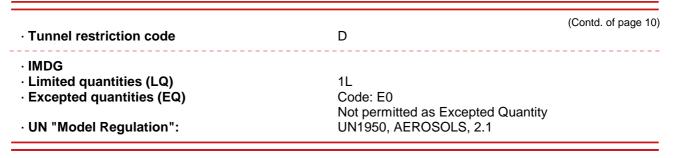


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SECTION 15: Regulatory information

• 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, C10-C13, n-alkanes, <2% aromatics hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cycloalkanes, < 5% n-hexane

· Hazard statements

- H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- H315 Causes skin irritation.
- H412 Harmful 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.
- 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
- · Named dangerous substances ANNEX I Methanol
- \cdot Qualifying quantity (tonnes) for the application of lower-tier requirements $150\ t$
- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements $500\ t$
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· Exposure scenario(s)

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



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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.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

· Department issuing SDS: Product safety department

· Contact:

Head of Product Safety Department sdb@ede.de

· Date of previous version: 24.01.2024

· Version number of previous version: 305

· 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) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) 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 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Skin Sens. 1: Skin sensitisation - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Asp. Tox. 1: Aspiration hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

\cdot * Data compared to the previous version altered.