

Safety data sheet according to UK REACH

Printing date 11.12.2025

Version number 10

Revision: 11.12.2025

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

1.1 Product identifier

Trade name Engelbert Strauss E.S. Imprägnierspray Protect

Article number: 17040096000

Package contents: 400 ml

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

No further relevant information available.

Application of the substance / the mixture

Impregnation spray for textiles

impregnation spray for leather

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Salzenbrodt GmbH & Co KG

Internationale Schuh- und Lederpflege

Hermesdorfer Straße 70

D-13437 Berlin

Tel.: +49 30 41404-512

Informing department:

Product Safety Department, phone +49 30 41404545 ; mobile +49 162 1096464

e-mail: productsafety@collonil.de

1.4 Emergency telephone number:

Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

Transport of dangerous goods:

Fire Brigade Bayer AG Tel. +49(0)30/4681-4208

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

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 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 classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS02 GHS07

Signal word *Danger*

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· Hazard-determining components of labelling:

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

Hydrocarbons, C11-12, isoalkanes, <2% aromatics

· Hazard statements

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

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

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.

P261 Avoid breathing vapours/spray.

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

P312 Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT:** This mixture does not contain any substances assessed as PBT substances.· **vPvB:** This mixture does not contain any substances assessed as vPvB substances.

SECTION 3: Composition/information on ingredients

· **3.1 Substances** Not applicable, product is a mixture.· **3.2 Mixtures:** waterproofing agents in hydrocarbon solvents, filled with propellant

· Dangerous components:

CAS: 109-87-5 EINECS: 203-714-2	dimethoxymethane Flam. Liq. 2, H225	25-50%
CAS: 64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥20-<25%
CAS: 106-97-8 EINECS: 203-448-7	butane, pure Flam. Gas 1A, H220; Press. Gas (Comp.), H280	≥10-≤25%
CAS: 75-28-5 EINECS: 200-857-2	isobutane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	≥1-≤10%
CAS: 90622-57-4 EC number: 918-167-1	Hydrocarbons, C11-12, isoalkanes, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304	5-7.5%
CAS: 74-98-6 EINECS: 200-827-9	propane liquefied Flam. Gas 1A, H220; Press. Gas (Comp.), H280	≥3-≤7.5%
CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	1-3%

· **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** Instantly remove any clothing soiled by the product.· **After inhalation** Supply fresh air; consult doctor in case of symptoms.· **After skin contact** Instantly wash with water and soap and rinse thoroughly.· **After eye contact** Rinse opened eye for several minutes under running water.

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- **After swallowing** In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
Daze
Breathing difficulty
Dizziness
Sickness
- **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, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents**
Water.
Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
see chapter 7.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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 information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
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.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Buildup of explosive mixtures possible without sufficient ventilation. Keep out of reach of children.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
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.
Do not store above 50°C

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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

· Additional information about design of technical systems: No further data; see section 7.

· Components with critical values that require monitoring at the workplace:

CAS: 109-87-5 dimethoxymethane (25-50%)

WEL	Short-term value: 3950 mg/m ³ , 1250 ppm
	Long-term value: 3160 mg/m ³ , 1000 ppm

CAS: 106-97-8 butane, pure (10-25%)

WEL	Short-term value: 1810 mg/m ³ , 750 ppm
	Long-term value: 1450 mg/m ³ , 600 ppm
	Carc (if more than 0.1% of buta-1.3-diene)

CAS: 123-86-4 n-butyl acetate (1-3%)

WEL	Short-term value: 966 mg/m ³ , 200 ppm
	Long-term value: 724 mg/m ³ , 150 ppm

· DNELs

CAS: 64742-49-0 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	DNEL consumer	699 mg/kg BW/d (unknown)
Dermal	DNEL Worker	733 mg/kg BW/d (unknown)
	DNEL consumer	699 mg/kg BW/d (unknown)
Inhalative	DNEL worker	2,035 mg/kg BW/d (unknown)
	DNEL consumer	608 mg/m ³ /24h (unknown)

CAS: 123-86-4 n-butyl acetate

Inhalative	DNEL consumer	859.7 mg/m ³ /24h
	DNEL worker	960 mg/m ³ /8h

· PNECs

CAS: 123-86-4 n-butyl acetate

PNEC fresh water	0.18 mg/l
PNEC salt water	0.018 mg/l
PNEC freshwater sediment	0.981 mg/kg
PNEC marine sediment	0.0981 mg/kg
PNEC	0.0903 mg/kg

· Additional information:

The Technical Rules for Hazardous Substances (TRGS) 900 (version dated 12.06.23) serve as a basis

· 8.2 Exposure controls Not applicable

· Personal protective equipment

· General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

· Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Only during spraying without adequate removal by suction.

· Protection of hands:

Wear suitable protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

fluorinated rubber (viton)

- **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.

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

fluorinated rubber (viton)

- **Eye protection:** Not required

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Aerosol
Colour:	Colourless
Smell:	Benzin-like
Odour threshold:	Not determined

pH-value:	Mixture is non-polar/aprotic. Not determined
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- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	42.3 °C

Flash point:	-97 °C
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Inflammability (solid, gaseous)	Extremely flammable aerosol.
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Auto-ignition temperature:	>200 °C
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Decomposition temperature:	Not determined
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Self-inflammability:	Product is not selfigniting.
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Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
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- **Critical values for explosion:**

Lower:	1.5 Vol %
Upper:	17.6 Vol %

Steam pressure at 20 °C:	2,100 hPa
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Density at 20 °C	0.72033 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable.

- **Solubility in / Miscibility with**

Water:	Not miscible or difficult to mix
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Partition coefficient: n-octanol/water:	Not determined
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- **Viscosity:**

dynamic:	Not determined
kinematic:	Not determined

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· Solvent content:	
Organic solvents:	>85-≤99.8 %
Solids content:	0.0 %
· 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**
- **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:** Inflammable gases/vapours

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

CAS: 109-87-5 dimethoxymethane

Oral	LD50	5,708 mg/kg (rabbit)
	LD50	8.6 ml/kg (rat)
Inhalative	LC50/4 h	15,000 ppm (rat)

CAS: 64742-49-0 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	LD50	>5,000 mg/kg (rat) (Acute Oral Toxicity)
	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
		>2,000 mg/kg (rabbit) (Acute Dermal Toxicity)
Inhalative	LC50/4 h	>20 mg/l (rat) (Acute Inhalation Toxicity)
		11.4 mg/l (trout)

CAS: 106-97-8 butane, pure

Inhalative	LC50/4 h	658 mg/l (rat)
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CAS: 90622-57-4 Hydrocarbons, C11-12, isoalkanes, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50	>5,000 mg/m ³ (rat)

CAS: 123-86-4 n-butyl acetate

Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation** No irritant effect known.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

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- **Additional toxicological information:**
- **CMR effects (carcinogenity, 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**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 109-87-5 dimethoxymethane

biodegradability	88 %
EC0/48h	250 mg/l (daphnia)
EC10/96h	>500 mg/l (algae)
EC10/17h	3,000 mg/l (bacteria)
EC50/48 h	>500 mg/l (daphnia)
LC50/96 h	6,990 mg/l (fish)
LC50/48 h	7,500 mg/l (fish)

CAS: 64742-49-0 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

biodegradability	81 %
IC50/72h	30 mg/l (algae)
EC50/48 h	3 mg/l (daphnia)
Toxicity to aquatic invertebrates	30 mg/l (algae) (Growth Inhibition Test)
	3 mg/l (daphnia) (Daphnientoxizität)
Acute toxicity fish	11.4 mg/l (fish) (Acute Toxicity Test)

CAS: 90622-57-4 Hydrocarbons, C11-12, isoalkanes, <2% aromatics

biodegradability	31.3 %
EC0	1,000 mg/l (algae)
EC0/48h	1,000 mg/l (daphnia)
EC0/96h	1,000 mg/l (fish)
NOEC	1,000 mg/l (algae)
	≥1 mg/l (daphnia)

CAS: 123-86-4 n-butyl acetate

biodegradability	98 %
EC0	115 mg/l (bacteria)
EC50/72 h	674.7 mg/l (algae)
EC50	959 mg/l (bacteria)
EC50/24 h	72.8 mg/l (daphnia)
PNEC	35.6 mg/l
LC50/96 h	62 mg/l (fish)

- **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:** Harmful to fish

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- **Additional ecological information:**
- **General notes:**
 - Harmful to aquatic organisms
 - Water hazard class 2 (Self-assessment): hazardous for water.
 - Do not allow product to reach ground water, water bodies or sewage system.
 - Danger to drinking water if even small quantities leak into soil.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** This mixture does not contain any substances assessed as PBT substances.
- **vPvB:** This mixture does not contain any substances assessed as vPvB substances.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key number:**
 - 150110* Packaging containing residues of hazardous substances or contaminated by hazardous substances
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- Not applicable
- **Class** 2.5F Gases.
- **Label** 2.1
- **IMDG, IATA**
- 
- **Class** 2.1 Gases.
- **Label** 2.1
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** Not applicable
- **14.6 Special precautions for user** Warning: Gases.
- **Kemler Number:** -

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· EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
· Transport/Additional information:	Not dangerous according to the above specifications.
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· Remarks:	Not applicable.
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Remarks:	Not applicable.
· IATA	
· Remarks:	no dangerous good
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3a** FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

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· **National regulations**· **Technical instructions (air):**

Class	Share in %
III	0.2-0.5
NK	70-100

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing data specification sheet:** Product Safety Department· **Contact:** see chapter 1· **Abbreviations and acronyms:**

ECD: Endocrine Disruptors List 2

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 (UK REACH)

PNEC: Predicted No-Effect Concentration (UK 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

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

WEL: Workplace Exposure Limits

· **Sources** Explanation of the ECD lists: <https://edlists.org/the-ed-lists>· *** Data compared to the previous version altered.**