

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

Printing date 29.01.2024

Version number 305 (replaces version 304)

Revision: 29.01.2024

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**· **1.1 Product identifier**· Trade name: Imprägnierspray E-COLL

· Article number: 4317784464871

· UFI: 6K0R-8489-UC0J-AACJ

· **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**

Impregnation spray for leather

Impregnation spray for textiles

· **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.

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.

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**Hazard pictograms**

GHS02 GHS07 GHS09

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

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  
Hydrocarbons, C10-C12, isoalkanes, <2% aromatics  
n-butyl acetate  
isopropyl acetate

**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 dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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.

**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: 64-17-5	ethanol	10-<25%
EINECS: 200-578-6	Flam. Liq. 2, H225	
Index number: 603-002-00-5	Eye Irrit. 2, H319	
Reg.nr.: 01-2119457610-43-XXXX	Specific concentration limit: Eye Irrit. 2; H319: C ≥ 51 %	

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EC number: 921-024-6 Reg.nr.: 01-2119475514-35-XXXX	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  Flam. Liq. 2, H225  Asp. Tox. 1, H304  Aquatic Chronic 2, H411  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H336	10-<25%
EC number: 923-037-2 Reg.nr.: 01-2119471991-29	Hydrocarbons, C10-C12, isoalkanes, <2% aromatics  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Chronic 2, H411	10-<25%
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	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	2.5-10%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-xxxx 01-2119485493-29-0059	n-butyl acetate  Flam. Liq. 3, H226  STOT SE 3, H336 EUH066	<2.5%
CAS: 108-21-4 EINECS: 203-561-1 Index number: 607-024-00-6	isopropyl acetate  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	0-<2.5%

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

aliphatic hydrocarbons

≥15 - &lt;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:**

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. If symptoms persist, 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:**  
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.
- **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.

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**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.

**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: 123-86-4 n-butyl acetate**

IOELV	Short-term value: 723 mg/m <sup>3</sup> , 150 ppm Long-term value: 241 mg/m <sup>3</sup> , 50 ppm
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**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:**

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

**Respiratory protection:**

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**

Tightly sealed goggles

**· Body protection: Solvent resistant protective clothing****SECTION 9: Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information**

- |  |                                   |
|--|-----------------------------------|
| · Colour:  | Colourless                        |
| · 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:   | 0.6 Vol %                         |
| · Upper:   | 8.5 Vol %                         |
| · Flash point:   | Not applicable, as aerosol.       |
| · Auto-ignition temperature:                               | 210 °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 at 20 °C:                                | 3,000 hPa                         |
| · Density and/or relative density                          |                                   |
| · Density at 20 °C:  | 0.65 g/cm <sup>3</sup>            |
| · Relative density   | Not determined.                   |

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· Vapour density	Not determined.
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Aerosol
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Not determined.
· <b>Solvent separation test:</b>	
· <b>Organic solvents:</b>	99.7 %
· <b>Change in condition</b>	
· <b>Drip point:</b>	
· <b>Oxidising properties</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Extremely flammable aerosol. Pressurised container: May burst if heated.
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	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 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: 64-17-5 ethanol

Oral	LD50	10,470 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4h	38 ppm (rat)

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

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)
Inhalative	LC50/4h	20 ppm (rat)

#### Hydrocarbons, C10-C12, isoalkanes, <2% aromatics

Oral	LD50	>5,000 mg/kg (rat) (OCED 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OCED 402)
Inhalative	LC50/4h	>5,000 mg/m <sup>3</sup> (rat)

#### CAS: 106-97-8 butane, pure

Inhalative	LC50/4h	658 ppm (rat)
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#### CAS: 74-98-6 propane

Inhalative	LC50/4h	>20 mg/m <sup>3</sup> (rat)
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#### CAS: 123-86-4 n-butyl acetate

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

#### CAS: 108-21-4 isopropyl acetate

Oral	LD50	3,000 mg/kg (rat)
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- **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.

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- **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: 64-17-5 ethanol**

LC50 (96h) (dynamic) 15,300 mg/L (Pimephales promelas)

LC50/48h (dynamic) 5,012 mg/l (Daphnia galeata)

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

EC50/72h 30 mg/l (algae)

EL50/48h 3 mg/l (Daphnia magna)

LL50/96h 11.4 mg/l (Oncorhynchus mykiss)

**CAS: 123-86-4 n-butyl acetate**

LC50 (96h) 18 mg/L (Pimephales promelas)

EC50 (48h) 44 mg/L (Daphnia magna)

EC50/24h 73 mg/l (Daphnia magna)

EC50/72h 647.7 mg/l (S)

- **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.

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Also poisonous for fish and plankton in water bodies.

**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 hazardous substances
16 05 04*	gases in pressure containers (including halons) containing 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 (Hydrocarbons, C8-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), PENTANES), MARINE POLLUTANT  
 · IATA AEROSOLS

**14.3 Transport hazard class(es)****ADR**

· Class 2 5F Gases.  
 · Label 2.1

**IMDG**

· Class 2 Gases.  
 · Label 2.1

**IATA**

· Class 2 Gases.  
 · Label 2.1

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- **14.4 Packing group**
  - **ADR, IMDG, IATA** Void
  
  - **14.5 Environmental hazards:** Product contains environmentally hazardous substances: reaction products of paraformaldehyde with 2-hydroxypropylamine (ratio 1:1)
  - **Marine pollutant:** Yes  
Symbol (fish and tree)
  - **Special marking (ADR):** Symbol (fish and tree)
  
  - **14.6 Special precautions for user** Warning: Gases.
  - **Hazard identification number (Kemler code):** 30
  - **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
  - **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":** 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.
- **Hazard pictograms**



GHS02 GHS07 GHS09

- **Signal word** Danger
  
- **Hazard-determining components of labelling:**  
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  
Hydrocarbons, C10-C12, isoalkanes, <2% aromatics  
n-butyl acetate  
isopropyl acetate

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**· 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 dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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****· 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:  
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.  
H226 Flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.  
EUH066 Repeated exposure may cause skin dryness or cracking.

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**· 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  
Flam. Liq. 3: Flammable liquids – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
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  
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

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