

Printing date 10.09.2024 Version number 310 (replaces version 309) Revision: 10.09.2024

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

· 1.1 Product identifier 600045

· Trade name: Zinc spray E-COLL

· Article number: 4317784349406

· UFI: 2J3A-3WNE-G90A-R8Y5

· 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 Anticorrosion additive
- · 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:

Poison Control Center Mainz - 24 hour emergency service - phone: +49 (0) 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 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated

exposure.

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 labelling of an aspiration hazard (Asp.Tox.1 H304) is not required for aerosol dispensers and containers with a sealed spray device (Regulation (EC) 1272/2008, Annex 1,1.3.3). The product is classified and labelled according to the CLP regulation.

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#### · Hazard pictograms









GHS02 GHS07 GHS08

### · Signal word Danger

#### · Hazard-determining components of labelling:

xylene acetone

Hydrocarbons, C9, aromatics

ethylbenzene

#### Hazard statements

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H373 May cause damage to the hearing organs through prolonged or repeated exposure.

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.

P260 Do not breathe spray.

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

P280 Wear protective gloves / eye protection / face 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.

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

P405 Store locked up.

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:

Buildup of explosive mixtures possible without sufficient ventilation.

## · 2.3 Other hazards

#### · Results of PBT and vPvB assessment

· PBT: Not applicable.

vPvB: Not applicable.



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### **SECTION 3: Composition/information on ingredients**

#### · 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

Description: Wixture of Substances listed below with Horinazardous additions.			
· Dangerous components:			
CAS: 67-64-1 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119471330-49-xxxx 01-2119498062-37-xxxx	acetone  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336  EUH066	10-<20%	
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 Press. Gas (Comp.), H280	10-<20%	
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	5-<10%	
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32-xxxx	xylene Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	2.5-10%	
CAS: 7440-66-6 EINECS: 231-175-3 Index number: 030-001-01-9 Reg.nr.: 01-2119467174-37	zinc powder -zinc dust (stabilized)  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	10-<20%	
CAS: 128601-23-0 EC number: 918-668-5	Hydrocarbons, C9, aromatics  Flam. Liq. 3, H226 Aquatic Chronic 2, H411 TOTICS STOT SE 3, H335-H336	2.5-10%	
EC number: 905-588-0 Reg.nr.: 01-2119539452-40 02-2119752448216-32	Reaction mass of ethylbenzene and xylene Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%	
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane  The Flam. Gas 1A, H220  Press. Gas (Comp.), H280	5-<10%	
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO2) substance with a Community workplace exposure limit	0-<1%	

· 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.

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#### · 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 eve 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 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.

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 product to reach sewage system or any water course.

Do not allow to enter sewers/ surface or ground water.

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## · 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.

Ensure good ventilation/exhaustion at the workplace.

· 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.
- · 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: 67-64-1 acetone				
IOELV	Long-term value: 1210 mg/m³, 500 ppm			

CAS: 1330-20-7 xylene

OELV Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm

Skin

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### CAS: 14808-60-7 Quartz (SiO2)

BOELV Long-term value: 0.1\* mg/m³

\*respirable fraction

- · 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:

Self-contained respiratory protective device.

Filter AX/P2

Use suitable respiratory protective device in case of insufficient ventilation - filter AX.

### · Hand protection



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/face 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

· Colour:

Silver-coloured

· Odour:

Solvent-like

· Odour threshold:

Not determined.



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· Melting point/freezing point: Undetermined.

· Boiling point or initial boiling point and boiling range <0 °C

• Flammability Not applicable.

· Lower and upper explosion limit

Lower: Not determined.Upper: Not determined.

· Flash point: Not applicable, as aerosol.

· Auto-ignition temperature: >200 °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)
 Vapour pressure:
 Not determined.
 Not determined.

· Density and/or relative density

Density at 20 °C: 0.93 g/cm³
 Relative density Not determined.
 Vapour density Not determined.

· 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:

• VOC (EC) % 66.50 % • VOC (EC) g/l 616.0 g/l

· Change in condition

· Drip point:

Oxidising propertiesEvaporation rateNot determined.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 Void · Gases under pressure · Flammable liquids Void · Flammable solids Void · Self-reactive substances and mixtures Void Void Pyrophoric liquids · Pyrophoric solids Void · Self-heating substances and mixtures Void

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Substances and mixtures, which emit flammable gases in contact with water
 Oxidising liquids
 Oxidising solids
 Organic peroxides
 Corrosive to metals
 Desensitised explosives

#### **SECTION 10: Stability and reactivity**

- 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- $\cdot$  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: Carbon monoxide and carbon dioxide

### **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: 67-6	CAS: 67-64-1 acetone				
Oral	LD50	5,800 mg/kg (rat)			
Dermal	LD50	20,000 mg/kg (rabbit)			
Inhalative	LC50/4h	76 mg/m³ (rat)			
CAS: 74-9	CAS: 74-98-6 propane				
Inhalative	LC50/4h	>20 mg/m³ (rat)			
CAS: 106	CAS: 106-97-8 butane, pure				
Inhalative	LC50/4h	658 ppm (rat)			
CAS: 133	CAS: 1330-20-7 xylene				
Oral	LD50	4,300 mg/kg (rat)			
Dermal	LD50	2,000 mg/kg (rabbit)			
Reaction	mass of e	ethylbenzene and xylene			
Oral	LD50	4,300 mg/kg (rat)			
Dermal	LD50	2,000 mg/kg (rabbit)			
CAS: 148	CAS: 14808-60-7 Quartz (SiO2)				
Oral	LD50	>2,000 mg/kg (rat)			
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· 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.
- · 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 respiratory irritation. May cause drowsiness or dizziness.

· STOT-repeated exposure

May cause damage to the hearing organs through prolonged or repeated exposure.

- · Aspiration hazard Based on available data, the classification criteria are not met.
- · 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: 67-64	CAS: 67-64-1 acetone				
LC50 (96h)	5,000 mg/L (Lepomis macrochirus)				
LC50/48h	8,800 mg/l (Daphnia magna)				
NOEC	430 mg/l (algae)				
NOEC/16h	1,700 mg/l (Pseudomonas putida)				
NOEC/48h	4,740 mg/l (Pseudokirchneriella subcapitata)				
96h LC50	5,540 mg/l (Oncorhynchus mykiss)				
CAS: 75-28-5 isobutane					
EC50 (48h)	69.43 mg/L (daphnia)				

- · 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.

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- · 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.

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		
16 05 04*	gases in pressure containers (including halons) containing hazardous substances	
15 01 04	metallic packaging	

# **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, MARINE POLLUTANT

· IATA AEROSOLS, flammable

· 14.3 Transport hazard class(es)

· ADR





· Class 2 5F Gases.

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· Label 2.1

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· IMDG





ClassLabel2 Gases.2.1

·IATA



· Class 2 Gases. · Label 2.1

· 14.4 Packing group

· ADR, IMDG Void

· 14.5 Environmental hazards:

· Marine pollutant: Yes

Symbol (fish and tree)
- Special marking (ADR):

Symbol (fish and tree)

· 14.6 Special precautions for user

• 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:

Warning: Gases.

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 Maritime transport in bulk according to IMO

**instruments** Not applicable.

· Transport/Additional information:

ADR

Limited quantities (LQ)Excepted quantities (EQ)Code: E

Not permitted as Excepted Quantity

as Excepted Quantity



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· Tunnel restriction code B1D

· 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 GHS08 GHS09

· Signal word Danger

### · Hazard-determining components of labelling:

xylene

acetone

Hydrocarbons, C9, aromatics

ethylbenzene

#### · Hazard statements

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H373 May cause damage to the hearing organs through prolonged or repeated exposure.

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.

P260 Do not breathe spray.

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

P280 Wear protective gloves / eye protection / face 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.

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

P405 Store locked up.

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.

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- · Chemical safety assessment
- · Named dangerous substances ANNEX I Methanol
- · 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
- · National regulations:
- · Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

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.
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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.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

#### · Department issuing SDS: Product safety department

· Contact: sdb@ede.de

Date of previous version: 16.03.2021
 Version number of previous version: 309

#### · 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)



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VOC: Volatile Organic Compounds (USA, EU) 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

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
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard — Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard — Category 2

· \* Data compared to the previous version altered.

EU -