

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.09.2024

Version number 2 (replaces version 1)

Revision: 30.09.2024

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

#### · 1.1 Product identifier

· **Trade name:** **COREXX Industrie-Reiniger**

· **UFI:** F6MW-00CE-4R3P-7CHW

#### · 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** Detergents

#### · 1.3 Details of the supplier of the safety data sheet

##### · **Manufacturer/Supplier:**

CARAT Systementwicklungs- u. Marketing GmbH & Co. KG

Am Victoria-Turm 2

D-68163 Mannheim

E-Mail: info@carat-gruppe.de

Tel.: +49(0)621/86080-0

Fax: +49(0)621/86080-390

##### · **Informing department:**

Tel.: +49(0)621/86080-0

Fax: +49(0)621/86080-390

#### · 1.4 Emergency telephone number:

Tel.: +49(0)621/86080-0

(Office hours 8:00 - 17:00)

### SECTION 2: Hazards identification

#### · 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

#### · 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**



GHS07

· **Signal word** Warning

· **Hazard statements**

H319 Causes serious eye irritation.

· **Precautionary statements**

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

P337+P313 If eye irritation persists: Get medical advice/attention.

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

· **Additional information:**

Contains Citral. May produce an allergic reaction.

· **Components according to regulation EC 648/2004 on detergents**

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| non-ionic surfactants, amphoteric surfactants, anionic surfactants | <5% |
| perfumes (Citral, TERPINEOL, LIMONENE), colouring agent            |     |

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:**  
Aqueous solution of substances listed below with additional ingredients not requiring labelling.

### · **Dangerous components:**

|                                                                                                  |                                                                                                                                                                                                                                                                           |                     |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| CAS: 69011-36-5<br>EC number: 931-138-8<br>Reg.nr.: 01-2119976362-32-X                           | Isotridecanol, ethoxylated ( $\geq 4$ EO)<br>⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302<br>Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$<br>Eye Irrit. 2; H319: $1\% \leq C < 10\%$                                                                        | $\geq 2.5 - < 10\%$ |
| CAS: 147170-44-3<br>EC number: 604-575-4                                                         | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts<br>⚠ Eye Dam. 1, H318; Aquatic Chronic 3, H412<br>Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$<br>Eye Irrit. 2; H319: $4\% \leq C < 10\%$ | $< 2.5\%$           |
| CAS: 5392-40-5<br>EINECS: 226-394-6<br>Index number: 605-019-00-3<br>Reg.nr.: 01-2119462829-23-X | Citral<br>⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317                                                                                                                                                                                                                       | $\leq 0.1\%$        |

- **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**
  - **After inhalation** Supply fresh air; consult doctor in case of symptoms.
  - **After skin contact**  
Wash with water and soap.  
If skin irritation continues, consult a doctor.
  - **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
  - **After swallowing** In case of persistent symptoms 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>, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
  - **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Can be released in case of fire:

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Carbon monoxide and carbon dioxide

- **5.3 Advice for firefighters**

- **Protective equipment:**

In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.

- **Additional information**

Collect contaminated fire fighting water separately. It must not enter drains. Provide sufficient fire fighting water retention.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose of the material collected according to regulations.

- **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** No special precautions necessary if used correctly.

- **Information about protection against explosions and fires:** No special measures required.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and containers:** No special requirements.

- **Information about storage in one common storage facility:**

Keep away from strong oxidizing, alkalis and acidic materials.

- **Further information about storage conditions:**

Keep container tightly closed and store in a dry, cool and well ventilated place.

- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **DNELs**

### 69011-36-5 Isotridecanol, ethoxylated (≥ 4 EO)

|            |                                      |                           |
|------------|--------------------------------------|---------------------------|
| Oral       | DNEL (consumer, long-term, systemic) | 2.5 mg/kg bw/day (human)  |
| Dermal     | DNEL (worker, long-term, systemic)   | 263 mg/kg bw/day (human)  |
|            | DNEL (consumer, long-term, systemic) | 93.8 mg/kg bw/day (human) |
| Inhalative | DNEL (worker, long-term, systemic)   | 37 mg/m³ (human)          |
|            | DNEL (consumer, long-term, systemic) | 6.53 mg/m³ (human)        |

### 5392-40-5 Citral

|        |                                      |                          |
|--------|--------------------------------------|--------------------------|
| Oral   | DNEL (consumer, long-term, systemic) | 0.6 mg/kg bw/day (human) |
| Dermal | DNEL (worker, long-term, systemic)   | 1.7 mg/kg bw/day (human) |

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|            |                                      |                                 |
|------------|--------------------------------------|---------------------------------|
| Inhalative | DNEL (consumer, long-term, systemic) | 1 mg/kg bw/day (human)          |
|            | DNEL (worker, long-term, local)      | 0.14 mg/cm <sup>2</sup> (human) |
|            | DNEL (consumer, long-term, local)    | 0.14 mg/cm <sup>2</sup> (human) |
|            | DNEL (worker, long-term, systemic)   | 9 mg/m <sup>3</sup> (human)     |
|            | DNEL (consumer, long-term, systemic) | 2.7 mg/m <sup>3</sup> (human)   |

### · **PNECs**

#### **69011-36-5 Isotridecanol, ethoxylated (≥ 4 EO)**

|                                   |                           |
|-----------------------------------|---------------------------|
| PNEC aqua (freshwater)            | 0.00436 mg/L (.)          |
| PNEC aqua (marine water)          | 0.000436 mg/L (.)         |
| PNEC STP - Sewage Treatment Plant | 4.35 mg/L (.)             |
| PNEC soil                         | 0.021 mg/kg soil dw (.)   |
| PNEC sediment (freshwater)        | 0.119 mg/kg sedim. dw (.) |
| PNEC sediment (marine water)      | 0.012 mg/kg sedim. dw (.) |

#### **5392-40-5 Citral**

|                                   |                           |
|-----------------------------------|---------------------------|
| PNEC aqua (freshwater)            | 0.007 mg/L (.)            |
| PNEC aqua (marine water)          | 0.001 mg/L (.)            |
| PNEC STP - Sewage Treatment Plant | 1.6 mg/L (.)              |
| PNEC soil                         | 0.021 mg/kg soil dw (.)   |
| PNEC sediment (freshwater)        | 0.125 mg/kg sedim. dw (.) |
| PNEC sediment (marine water)      | 0.013 mg/kg sedim. dw (.) |
| PNEC aqua (intermittent releases) | 0.068 mg/L (.)            |

· **Additional information:** The lists that were valid during the compilation were used as basis.

### · **8.2 Exposure controls**

#### · **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures** Wash hands during breaks and at the end of the work.

· **Breathing equipment:** Not required.

#### · **Hand protection**

Protective gloves are only required in case of intense and/or prolonged skin contact with the product.

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

· **Material of gloves** Chloroprene rubber, CR

#### · **Penetration time of glove material**

In case of a layer thickness of 0.65 mm the penetration time is longer than 480 minutes.

· **Eye/face protection** Safety glasses recommended during refilling.

## SECTION 9: Physical and chemical properties

### · **9.1 Information on basic physical and chemical properties**

#### · **General Information**

##### · **Physical state**

Fluid

##### · **Colour:**

Yellow

##### · **Odour:**

like citrus fruits

##### · **Odour threshold:**

Not determined.

##### · **Melting point/freezing point:**

Not determined

##### · **Boiling point or initial boiling point and boiling range**

100 °C (7732-18-5 water, distilled, conductivity or of similar purity)

##### · **Flammability**

Not applicable.

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|                                                            |                        |
|------------------------------------------------------------|------------------------|
| · <b>Lower and upper explosion limit</b>                   |                        |
| · <b>Lower:</b>                                            | Not determined.        |
| · <b>Upper:</b>                                            | Not determined.        |
| · <b>Flash point:</b>                                      | Not applicable         |
| · <b>Decomposition temperature:</b>                        | Not determined.        |
| · <b>SADT</b>                                              |                        |
| · <b>pH at 20 °C</b>                                       | 10.5                   |
| · <b>Viscosity:</b>                                        |                        |
| · <b>Kinematic viscosity</b>                               | Not determined.        |
| · <b>dynamic:</b>                                          | Not determined.        |
| · <b>Solubility</b>                                        |                        |
| · <b>Water:</b>                                            | Fully miscible         |
| · <b>Partition coefficient n-octanol/water (log value)</b> | Not determined.        |
| · <b>Vapour pressure:</b>                                  | Not determined.        |
| · <b>Density and/or relative density</b>                   |                        |
| · <b>Density at 20 °C</b>                                  | 1.06 g/cm <sup>3</sup> |
| · <b>Relative density</b>                                  | Not determined.        |
| · <b>Vapour density</b>                                    | Not determined.        |

|                                                                                        |                              |
|----------------------------------------------------------------------------------------|------------------------------|
| · <b>9.2 Other information</b>                                                         |                              |
| · <b>Appearance:</b>                                                                   |                              |
| · <b>Form:</b>                                                                         | Fluid                        |
| · <b>Important information on protection of health and environment, and on safety.</b> |                              |
| · <b>Self-inflammability:</b>                                                          | Product is not selfigniting. |
| · <b>Explosive properties:</b>                                                         | Product is not explosive.    |
| · <b>Solvent content:</b>                                                              |                              |
| · <b>Organic solvents:</b>                                                             | 0.1 %                        |
| · <b>Change in condition</b>                                                           |                              |
| · <b>Evaporation rate</b>                                                              | Not determined.              |

|                                                                                    |      |
|------------------------------------------------------------------------------------|------|
| · <b>Information with regard to physical hazard classes</b>                        |      |
| · <b>Explosives</b>                                                                | Void |
| · <b>Flammable gases</b>                                                           | Void |
| · <b>Aerosols</b>                                                                  | Void |
| · <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.

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- **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:**  
None in case of intended use and storage in compliance with instructions.

## 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 that are relevant for classification:**

**69011-36-5 Isotridecanol, ethoxylated (≥ 4 EO)**

|        |      |                                |
|--------|------|--------------------------------|
| Oral   | LD50 | > 2,000 mg/kg (Rat) (OECD 423) |
| Dermal | LD50 | 5,960 mg/kg (rabbit)           |

**5392-40-5 Citral**

|        |      |                     |
|--------|------|---------------------|
| Oral   | LD50 | 6,800 mg/kg (Rat)   |
| Dermal | LD50 | > 2,000 mg/kg (Rat) |
|        | LD0  | 2,000 mg/kg (Rat)   |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **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** 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** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**

- **Repeated dose toxicity**

**69011-36-5 Isotridecanol, ethoxylated (≥ 4 EO)**

|      |             |                                   |
|------|-------------|-----------------------------------|
| Oral | NOAEL (90d) | 500 mg/kg bw/day (Rat) (OECD 408) |
|------|-------------|-----------------------------------|

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**69011-36-5 Isotridecanol, ethoxylated (≥ 4 EO)**

|      |                                                 |
|------|-------------------------------------------------|
| EC50 | 0.544 mg/l/48h (Daphnia magna) (OECD 202)       |
| LC50 | > 1.5 mg/l/96h (Danio rerio) (OECD 203)         |
| EC50 | 3.4 mg/l/72h (Desmodesmus subspicatus) (EU C.3) |

**5392-40-5 Citral**

|               |                                       |
|---------------|---------------------------------------|
| EC50 (static) | 6.8 mg/l/48h (Daphnia magna) (EU C.2) |
| LC50 (static) | 6.78 mg/l/96h (fish) (DIN 38412-L)    |

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EC50 (static) 103.8 mg/l/72h (Desmodesmus subspicatus) (DIN 38412-L9)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** There are no data available about the preparation.
- **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**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

## 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.  
The waste code numbers mentioned are recommendations based on the probable use of the product.

### · European waste catalogue

|           |                                                                                                                                         |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 20 00 00  | MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS |
| 20 01 00  | separately collected fractions (except 15 01)                                                                                           |
| 20 01 29* | detergents containing hazardous substances                                                                                              |
| 07 00 00  | WASTES FROM ORGANIC CHEMICAL PROCESSES                                                                                                  |
| 07 06 00  | wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics                                                    |
| 07 06 04* | other organic solvents, washing liquids and mother liquors                                                                              |

- **Uncleaned packagings:**
  - **Recommendation:**  
Dispose of packaging according to regulations on the disposal of packagings.  
Non contaminated packagings can be used for recycling.  
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
  - **Recommended cleaning agent:** Water, if necessary with cleaning agent.

## SECTION 14: Transport information

|                                                                                                 |                 |
|-------------------------------------------------------------------------------------------------|-----------------|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR/RID, IMDG, IATA</b>                            | Void            |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR/RID, IMDG, IATA</b>                           | Void            |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR/RID, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void            |
| · <b>14.4 Packing group</b><br>· <b>ADR/RID, IMDG, IATA</b>                                     | Void            |
| · <b>14.5 Environmental hazards:</b>                                                            | Not applicable. |

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|                                                                       |                                                      |
|-----------------------------------------------------------------------|------------------------------------------------------|
| · <b>14.6 Special precautions for user</b>                            | Not applicable.                                      |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                            | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>                                       | Void                                                 |

## SECTION 15: Regulatory information

### · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### · Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

#### · **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

#### · **REGULATION (EU) 2019/1148**

#### · **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

#### · **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

#### · **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

#### · **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

#### · **National regulations**

#### · **Water hazard class:**

#### · **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

### · 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.

#### · **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

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· **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:  
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· **Version number of previous version: 1**

· **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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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 EU