

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

Printing date 19.07.2022


Version-No. 9 (replaces version 8)

Revision: 19.07.2022

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

- **1.1. Product identifier**
- Trade name / Article-No: **KLEIBERIT 347.0**
- UFI: GNA2-COPX-400N-FVNQ
- **1.2. Relevant identified uses of the substance / mixture or uses advised against**  
**For professional use only**
- Application of the substance / the mixture Adhesives
- **1.3. Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KLEIBERIT SE & Co. KG  
Max-Becker-Str. 4  
D - 76356 Weingarten / Baden  
Germany
- **Further information obtainable from:**  
phone: +49 (0) 7244 62-0  
FAX: +49 (0) 7244 700-0  
E-Mail: hse@kleiberit.com
- **1.4. Emergency telephone number:**  
**+44 1235 239670** European regional number (European languages)  
**112** Emergency telephone number for Malta  
**543 22 22** Icelandic University Hospital

### SECTION 2: Hazards identification

- **2.1. Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008 - GHS/CLP  
Eye Irrit. 2 H319 Causes serious eye irritation.
- **2.2. Label elements**
- **Hazard pictograms**  
  
GHS07
- **Signal word** Warning
- **Hazard statements**  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P280 Wear protective gloves / eye 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.  
P337+P313 If eye irritation persists: Get medical advice/attention.
- **Additional information:**  
Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.  
Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (mixture in a ratio 3:1). May produce an allergic reaction.
- **2.3. Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

EU



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

Trade name / Article-No: KLEIBERIT **347.0**

(Contd. of page 1)

· vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

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

#### · Dangerous components:

Registry-No's	Identification / Classification GHS-CLP	%
CAS: 7397-62-8 Reg.nr.: 01-2119514685-36-XXXX	butyl glycolate Repr. 2, H361; Eye Dam. 1, H318	≥1-<2%
CAS: 67-56-1 Reg.nr.: 01-2119433307-44-XXXX	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370 Specific concentration limits: STOT SE 1; H370: C ≥10 % STOT SE 2; H371: 3 % ≤ C < 10 %	<1%
CAS: 2634-33-5 Reg.nr.: 05-2114263215-55-XXXX	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥0.05 %	<0.05%
CAS: 55965-84-9	a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C ≥0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025-<0.0015%

· **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 complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Call for a doctor immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

(Contd. on page 3)



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

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

**Trade name / Article-No: KLEIBERIT 347.0***(Contd. of page 2)*

- **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.
- **5.2. Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Ethanoic acid
- **5.3. Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Particular danger of slipping on leaked/spilled product.
- **6.2. Environmental precautions:** No special measures required.
- **6.3. Methods and material for containment and cleaning up:**  
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**  
Enclosure or extractor facilities are required.  
Spraying: in vented cabin with laminar air flow  
Wear protective gloves/protective clothing/eye protection/face protection.  
Application temperature is not higher than 20°C above the surrounding temperature  
Avoid taking samples by immersion  
Close the container immediately after usage.
- **General protective and hygienic measures:** Keep good industrial hygiene.
- **7.2. Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.
- **Information about storage in one common storage facility:** Observe the national regulations.
- **Further information about storage conditions:** None.
- **7.3. Specific end use(s)** No further relevant information available.

*(Contd. on page 4)*

EU



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

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

Trade name / Article-No: **KLEIBERIT 347.0**

(Contd. of page 3)

### SECTION 8: Exposure controls/personal protection

#### · 8.1. Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

##### · DNELs

#### **7397-62-8 butyl glycollate**

Dermal DNEL long term 34.7 mg/kg (human being)

Inhalative DNEL long term 21.2 mg/m<sup>3</sup> (human being)

#### **67-56-1 methanol**

Dermal DNEL short term 40 mg/kg (human being)

DNEL long term 40 mg/kg (human being)

Inhalative DNEL short term 260 mg/m<sup>3</sup> (human being)DNEL long term 260 mg/m<sup>3</sup> (human being)

##### · PNECs

#### **7397-62-8 butyl glycollate**

PNEC- Freshwater 0.05 mg/l (not specified)

PNEC-Freshwater sediment 0.203 mg/kg (not specified)

PNEC-soil 0.0112 mg/kg (not specified)

PNEC-wastewater treatment plant 232 mg/l (not specified)

#### **67-56-1 methanol**

PNEC- Freshwater 154 mg/l (not specified)

PNEC-seawater 15.4 mg/l (not specified)

PNEC-soil 23.5 mg/kg (not specified)

PNEC-wastewater treatment plant 100 mg/l (not specified)

#### **55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)**

PNEC- Freshwater 0.00339 mg/l (not specified)

PNEC-seawater 0.00339 mg/l (not specified)

PNEC-Freshwater sediment 0.027 mg/kg (not specified)

PNEC-Seawater sediment 0.027 mg/kg (not specified)

PNEC-soil 0.01 mg/kg (not specified)

PNEC-wastewater treatment plant 0.027 mg/l (not specified)

#### · Ingredients with biological limit values:

#### **67-56-1 methanol**

BGW (Germany) 15 mg/l

Untersuchungsmaterial: Urin

Probennahmezeitpunkt: bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten, Expositionsende bzw. Schichtende

Parameter: Methanol

(Contd. on page 5)



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

**Trade name / Article-No: KLEIBERIT 347.0***(Contd. of page 4)*

CAS No.	Designation of material	%	Type	Value	Unit
---------	-------------------------	---	------	-------	------

**7397-62-8 butyl glycollate**

MAK (Germany) vgl.Abschn.IIb

**67-56-1 methanol**IOELV (INT) Long-term value: 260 mg/m<sup>3</sup>, 200 ppm  
SkinAGW (Germany) Long-term value: 130 mg/m<sup>3</sup>, 100 ppm  
2(II);DFG, EU, H, Y**2634-33-5 1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one**

MAK (Germany) vgl.Abschn.IIb und Xc

**55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)**MAK (Germany) Long-term value: 0.2E mg/m<sup>3</sup>  
vgl.Abschn.Xc**8.2. Exposure controls**

limit the exposure to:

8 hours

- **Appropriate engineering controls** No further data; see item 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:** Not necessary if room is well-ventilated.

- **Hand protection** Protective gloves

- **Material of gloves A** Nitrile rubber - NBR: AlphaTec® (> 0,4 mm)

- **Penetration time of glove material A:** 240 - 480 min

- **Eye/face protection** Safety glasses

- **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

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

- **General Information**

- **Physical state**

Fluid

- **Colour:**

White

- **Odour:**

Acidic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Boiling point or initial boiling point and boiling range**

100 °C

- **Flammability**

Not applicable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

Not applicable.

- **Ignition temperature:**

Not applicable.

*(Contd. on page 6)*



## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

Trade name / Article-No: KLEIBERIT **347.0***(Contd. of page 5)*

· Decomposition temperature:	Not determined.
· pH at 20 °C	ca. 5
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic at 20 °C:	ca. 14.000 mPas
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density and/or relative density	
· Density at 20 °C:	ca. 1.08 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2. Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

### SECTION 10: Stability and reactivity

#### · 10.1. Reactivity

see item 10.3

No further relevant information available.

#### · 10.2. Chemical stability

Stable when stored and used properly.

#### · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

*(Contd. on page 7)*



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

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

Trade name / Article-No: KLEIBERIT **347.0**

(Contd. of page 6)

- **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:** Ethanoic acid

### 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/LC<sub>50</sub> values relevant for classification:**

#### 9003-20-7 polyvinyl acetate

Oral LD<sub>50</sub> 3,080 mg/kg (rat) (Repeated Dose 90-day Oral Toxicity Study in Rodent)  
pro Tag / per day

#### 7397-62-8 butyl glycollate

Oral LD<sub>50</sub> 4,595 mg/kg (rat)

#### 67-56-1 methanol

Oral LD<sub>50</sub> 143 mg/kg (human being)  
7,300 mg/kg (mouse)  
5,900 mg/kg (rat)

Dermal LD<sub>50</sub> 20,000 mg/kg (rabbit)

Inhalative LC<sub>50</sub> /4 h 85 mg/l (rat)

#### 55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

Oral LD<sub>50</sub> 457 mg/kg (rat)

Dermal LD<sub>50</sub> 141 mg/kg (rabbit)

Inhalative LC<sub>50</sub> /4 h 0.33 mg/l (rat)

- **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:

- **Reproductive toxicity**

#### 7397-62-8 butyl glycollate

Oral NOAEL - No Observed Adverse Effect Level 250 mg/kg bw/day (rat) (OECD 414)

- **11.2 Information on other hazards**
- **Endocrine disrupting properties**

None of the ingredients is listed.

(Contd. on page 8)



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

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

Trade name / Article-No: KLEIBERIT **347.0**

(Contd. of page 7)

### SECTION 12: Ecological information

- **12.1. Toxicity**

- **Aquatic toxicity:**

- **9003-20-7 polyvinyl acetate**

- LC<sub>50</sub> >100 mg / l / 96h (Fathead minnow - Pimephales promelas)

- **7397-62-8 butyl glycollate**

- LC<sub>0</sub> 50 g/l (48 h) (gold orfw - Leuciscus idus)

- EC<sub>50</sub> 280 mg / l / 24h (water flea - daphnia)

- **67-56-1 methanol**

- LC<sub>50</sub> 15,500 mg / l / 96h (Bluegill - Lepomis macrochirus)

- **55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)**

- LC<sub>50</sub> 0.19 mg / l / 96h (Fathead minnow - Pimephales promelas)

- 0.19 mg / l / 96h (fish)

- EC<sub>50</sub> 0.16 mg / l / 48h (water flea - daphnia)

- EC<sub>50</sub> 0.018 mg / l / 72h (green algae-Ps.kirchneriella subcapitata)

- **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**

- The product does not contain substances with endocrine disrupting properties.

- **12.6. Other adverse effects**

- **Behaviour in sewage processing plants:**

- **Remark:**

- At correct sewage disposal in small quantities to biological sewage plants failures of the activated sludge are not expected.

- **Additional ecological information:**

- **General notes:**

- Not known to be hazardous to water.

- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

### SECTION 13: Disposal considerations

- **13.1. Waste treatment methods**

- **Recommendation**

- Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

- 08 04 09\* waste adhesives and sealants containing organic solvents or other hazardous substances

- **Uncleaned packaging:**

- **Recommendation:**

- Non contaminated packagings may be recycled.

(Contd. on page 9)





## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

**Trade name / Article-No: KLEIBERIT 347.0**

*(Contd. of page 8)*

Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.

#### SECTION 14: Transport information

- **14.1. UN number or ID number**
- **ADR, IMDG, IATA** Void
- **14.2. UN proper shipping name**
- **DOT, ADR, IMDG, IATA** Void
- **14.3. Transport hazard class(es)**
- **Class** Void
- **14.4. Packing group**
- **ADR, IMDG, IATA** Void
- **14.5. Environmental hazards:** Not applicable.
- **14.6. Special precautions for user** Not applicable.
- **14.7. Maritime transport in bulk according to IMO instruments** Not applicable.

#### SECTION 15: Regulatory information

- **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**  
See position no 2 - Hazards Identification
- **Directive 2012/18/EU - Seveso-III:**
- **Named dangerous substances - ANNEX I** None of the ingredients is included.
- **Regulation (EC) No 1907/2006 - REACH, ANNEX XVII** Conditions of restriction: 3
- **Regulation (EU) No 649/2012**  
  
None of the ingredients is listed.
- **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:**
- **D: Waterhazard class** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations:** Restricted to professional users.
- **VOC - 2010/75/EU [g/L]:** <25.0 g/l
- **VOC - 2010/75/EU [%]:** <2.00 %

*(Contd. on page 10)*



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

Printing date 19.07.2022

Version-No. 9 (replaces version 8)

Revision: 19.07.2022

Trade name / Article-No: KLEIBERIT **347.0**

(Contd. of page 9)

· **15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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**

- H225 Highly flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- H361 Suspected of damaging fertility or the unborn child.
- H370 Causes damage to organs.
- 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.
- EUH071 Corrosive to the respiratory tract.

· **Department issuing SDS:** Safety & Environment

· **Version number of previous version:** 8

· **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
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- Skin Corr. 1C: Skin corrosion/irritation – Category 1C
- 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
- Skin Sens. 1A: Skin sensitisation – Category 1A
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 1: Specific target organ toxicity (single exposure) – 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