

**Safety data sheet**  
according to UK REACH

Printing date 14.05.2025

Version number 12 (replaces version 11)

Revision: 14.05.2025

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

· **1.1 Product identifier**

· **Trade name:** LECOL 5500 waterfree parquet adhesive

· **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** Adhesives

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

· **Manufacturer/Supplier:**

WAKOL GmbH  
Bottenbacher Str. 30  
D-66954 Pirmasens  
info@wakol.com  
+49 6331 8001 0

· **Informing department:**

Product safety department.  
msds@wakol.de

· **1.4 Emergency telephone number:**

Emergency CONTACT (24-Hour-Number):  
GBK GmbH Global Regulatory Compliance +49 (0)6132-84463

**SECTION 2: Hazards identification**

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

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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

STOT SE 2 H371 May cause damage to the central nervous system and the visual organs. Route of exposure: Oral and Inhalation.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

· **2.2 Label elements**

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

The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms**



GHS02



GHS07



GHS08

· **Signal word** Danger

(Contd. on page 2)



## Safety data sheet according to UK REACH

Printing date 14.05.2025

Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 2)

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Clean with water and soap. If possible, also wash with polyethylene glycol 400.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing** Do not induce vomiting; call for medical help 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**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **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.

GB

(Contd. on page 4)

**Safety data sheet**  
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Printing date 14.05.2025

Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 3)

**SECTION 7: Handling and storage**

· **7.1 Precautions for safe handling**

Prevent formation of aerosols.

Ensure good ventilation/exhaustion at the workplace.

· **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

· **Storage**

· **Requirements to be met by storerooms and containers:** Store in a cool location.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

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

**SECTION 8: Exposure controls/personal protection**

· **8.1 Control parameters**

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

**67-56-1 methanol**

WEL Short-term value: 333 mg/m<sup>3</sup>, 250 ppm

Long-term value: 266 mg/m<sup>3</sup>, 200 ppm

Sk

**79-20-9 methyl acetate**

WEL Short-term value: 770 mg/m<sup>3</sup>, 250 ppm

Long-term value: 616 mg/m<sup>3</sup>, 200 ppm

**67-64-1 acetone**

WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm

Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

· **DNELs**

**8050-09-7 rosin**

Oral DNEL 1.065 mg/kg/day (consumers (Long-term))

Dermal DNEL 1.065 mg/kg/day (consumers (Long-term))

2.131 mg/kg/day (workers (Long-term))

Inhalative DNEL 10 mg/m<sup>3</sup> (workers (Long-term))

**67-56-1 methanol**

Oral DNEL 4 mg/kg/day (consumers (Short-term))

Dermal DNEL 4 mg/kg/day (general population (short-term))

20 mg/kg/day (workers (Short-term))

(Contd. on page 5)

**Safety data sheet**  
**according to UK REACH**

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Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 4)

*Inhalative DNEL 26 mg/m<sup>3</sup> (general population (short-term))*  
*130 mg/m<sup>3</sup> (workers (Short-term))*

**79-20-9 methyl acetate**

*Dermal DNEL 44 mg/kg/day (consumers (Short-term))*  
*88 mg/kg/day (workers (Short-term))*

*Inhalative DNEL 131 mg/m<sup>3</sup>/day (consumers (Short-term))*  
*305 mg/m<sup>3</sup>/day (workers (Short-term))*

**67-64-1 acetone**

*Oral DNEL 62 mg/kg/day (general population (long-term))*

*Dermal DNEL 62 mg/kg/day (general population (long-term))*  
*186 mg/kg/day (workers (Long-term))*

*Inhalative DNEL 200 mg/m<sup>3</sup> (general population (long-term))*  
*2,420 mg/m<sup>3</sup> (workers (Short-term))*  
*1,210 mg/m<sup>3</sup> (workers (Long-term))*

**PNECs****8050-09-7 rosin**

*PNEC 1.6 µg/l (Freshwater)*  
*0.16 µg/l (Sea water)*  
*16 µg/l (Water - partially release)*  
*PNEC 1,000 mg/l (Purification plant)*  
*PNEC 0.45 µg/kg (Soil)*  
*0.7 µg/kg (Sediment (Sea water))*  
*7 µg/kg (Sediment (Freshwater))*

**67-56-1 methanol**

*PNEC 20 mg/l (Freshwater)*  
*2.08 mg/l (Sea water)*  
*100 mg/l (Purification plant)*  
*PNEC 100 mg/kg (Soil)*  
*7.7 mg/kg (Sediment (Sea water))*

**79-20-9 methyl acetate**

*PNEC 0.12 mg/l (Freshwater)*  
*0.012 mg/l (Sea water)*  
*1.2 mg/l (Water - partially release)*  
*600 mg/l (Purification plant)*  
*PNEC 0.0416 mg/kg (Soil)*  
*0.0128 mg/kg (Sediment (Sea water))*  
*0.128 mg/kg (Sediment (Freshwater))*

**67-64-1 acetone**

*PNEC 10.6 mg/l (Freshwater)*  
*1.06 mg/l (Sea water)*

(Contd. on page 6)

**Safety data sheet**  
**according to UK REACH**

Printing date 14.05.2025

Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 5)

21 mg/l (Water - partially release)

100 mg/l (Sewage treatment plants (STP))

PNEC 29.5 mg/kg (Soil)

3.04 mg/kg (Sediment (Sea water))

30.4 mg/kg (Sediment (Freshwater))

· **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**

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.

If the occupational exposure limit is exceeded.

· **Recommended filter device for short term use:** Combination filter A-P2

· **Hand protection**



Protective gloves

Preventive skin protection by use of skin-protecting agents is recommended.

· **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.4$  mm

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

· **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**

· **Physical state**

Liquid

· **Colour:**

Beige

(Contd. on page 7)

**Safety data sheet**  
according to UK REACH

Printing date 14.05.2025

Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 6)

· <b>Smell:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Boiling point or initial boiling point and boiling range</b>	57 °C
· <b>Flammability</b>	Highly flammable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	-10 °C
· <b>Auto-ignition temperature:</b>	235 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Mixture is non-soluble (in water).
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>kinematic (calculated) at 40°C:</b>	
· <b>dynamic at 20 °C:</b>	33,000 mPas (ISO 2555)
· <b>Solubility</b>	
· <b>Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Steam pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C</b>	1.48 g/cm <sup>3</sup> (EN ISO 2811-1)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Pasty
· <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. However, formation of explosive air/vapour mixtures are possible.
· <b>Organic solvents:</b>	21.6 %
· <b>VOC</b>	21.6 %
· <b>Solids content:</b>	78.4 % (DIN EN 827.8.2)
· <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>	Highly flammable liquid and vapour.
· <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

(Contd. on page 8)

**Safety data sheet**  
according to UK REACH

Printing date 14.05.2025

Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 7)

- **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** 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** 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:** 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 that are relevant for classification:**

**8050-09-7 rosin**

Oral LD50 2,800 mg/kg (Rat)  
Dermal LD50 >2,000 mg/kg (Rat)

**67-56-1 methanol**

Oral LD50 5,628 mg/kg (Rat)  
Dermal LD50 15,800 mg/kg (rabbit)  
Inhalative LC50/4h 131 mg/l (Rat)

**79-20-9 methyl acetate**

Oral LD50 6,482 mg/kg (Rat)  
Dermal LD50 3,705 mg/kg (rabbit)  
>2,000 mg/kg (Rat)  
Inhalative LC50/4h >49.2 mg/l (Rat)  
NOAEC 1.057 mg/l/6h/d (Rat) (14-day or 28-day study)

**67-64-1 acetone**

Oral LD50 5,800 mg/kg (Rat) (OECD RL 401)  
Dermal LD50 >7,400 mg/kg (Rat)  
Inhalative LC50/4h 76 mg/l (Rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.

(Contd. on page 9)

**Safety data sheet**  
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Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 8)

- **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 damage to the central nervous system and the visual organs. Route of exposure: Oral and Inhalation.
- **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.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**  
None of the ingredients is listed.

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:**

**8050-09-7 rosin**

- LC50/96h 1.7 mg/l (*Pimephales promelas*)
- EC50/48h 911 mg/l (*Daphnia magna*)
- ErC50/72h >1,000 mg/l (*Pseudokirchneriella subcapitata*)

**67-56-1 methanol**

- LC50/96h 15,400 mg/l (*Lepomis macrochirus*)
- EC5/16h 6,600 mg/l (*Pseudomonas putida*)
- EC5/72h >10,000 mg/l (*Entosiphon sulcatum*)
- IC5/8d 8,000 mg/l (*Scenedesmus quadricauda*)

**79-20-9 methyl acetate**

- LC50/96h 250–350 mg/l (*Brachydanio rerio*)
- EC50/24h 1,027 mg/l (*Daphnia magna*) (OECD RL 202)
- EC50/72h >120 mg/l (*Pseudokirchneriella subcapitata*) (OECD RL 201)
- EC10/0,5h 1,730 mg/l (*Photobacterium phosphoreum*)
- EC10/24h 1,500 mg/l (sludge)
- EC10/16h 1,830 mg/l (*Pseudomonas putida*)  
1,730 mg/l (*Photobacterium phosphoreum*)

**67-64-1 acetone**

- NOEC/16h 1,700 mg/l (*Pseudomonas putida*)
- NOEC/48h 4,740 mg/l (algae)
- LC50/96h 11,300 mg/l (*Leuciscus idus*) (DIN 38412 T.15)  
5,540 mg/l (*Oncorhynchus mykiss*)  
8,300 mg/l (*Lepomis macrochirus*)
- LC50/48h 12,600 mg/l (*Daphnia magna*)  
11,300 mg/l (*Leuciscus idus*)
- EC5/16h 1,700 mg/l (*Pseudomonas putida*)
- EC5/72h 28 mg/l (*Entosiphon sulcatum*)

(Contd. on page 10)

**Safety data sheet**  
according to UK REACH

Printing date 14.05.2025

Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 9)

EC5/8d 530 mg/l (*Microcystis aerruginosa*)

EC50/18h 12,600–12,700 mg/l (*Daphnia magna*)

EC50/48h 6,100 mg/l (*Daphnia magna*)

EC50/96h 8,300 mg/l (*Lepomis macrochirus*)

· **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.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

**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.

Must be specially treated adhering to official regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

· **14.1 UN number or ID number**

· **ADR, IMDG, IATA**

UN1133

· **14.2 UN proper shipping name**

· **ADR**

1133 ADHESIVES

· **IMDG, IATA**

ADHESIVES

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class**

3 Flammable liquids.

· **Label**

3

· **14.4 Packing group**

· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Warning: Flammable liquids.

· **Kemler Number:**

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(Contd. on page 11)

**Safety data sheet**  
according to UK REACH

Printing date 14.05.2025

Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 10)

- **EMS Number:** F-E,S-D
- **Stowage Category** A
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:**

- 
- **ADR**
  - **Limited quantities (LQ)** 5L
  - **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
  - **Transport category** 3
  - **Tunnel restriction code** E

- 
- **IMDG**
  - **Limited quantities (LQ)** 5L
  - **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
  - **UN "Model Regulation":** UN 1133 ADHESIVES, 3, III

**SECTION 15: Regulatory information**

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

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

67-64-1 acetone: Listed

· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

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

· **Seveso category** P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **National regulations**

· **VOC (EU)** 319.7 g/l

· **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.

(Contd. on page 12)

**Safety data sheet**  
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Version number 12 (replaces version 11)

Revision: 14.05.2025

**Trade name: LECOL 5500 waterfree parquet adhesive**

(Contd. of page 11)

- H311 Toxic in contact with skin.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs.
- H371 May cause damage to organs.
- EUH066 Repeated exposure may cause skin dryness or cracking.

**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)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Acute Tox. 3: Acute toxicity – Category 3
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
- STOT SE 2: Specific target organ toxicity (single exposure) – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3