

Safety data sheet

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

Printing date 10.06.2024


Version number 1

Revision: 10.06.2024


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

- **1.1 Product identifier**
- **Trade name:** EP300
- **Article number:** 3104XX, 52311005
- **UFI:** J3K5-J08N-W005-DHVJ
- **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** Cleaning agent/ Cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chemische Fabrik Dr. Stöcker GmbH & Co. KG
Gewerbstrasse 19-25
D-55546 Pfaffen-Schwabenheim
+49 (0)6701 911780
- **Further information obtainable from:**
Safety Department
sicherheit@dr-stoecker.de
- **1.4 Emergency telephone number:**
INTERNATIONAL: +49 (0) 6132 / 84463 (GBK Gefahrgut Büro GmbH, Ingelheim)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
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 CLP regulation.
 - **Hazard pictograms**
- 

GHS05



GHS07
- **Signal word** Danger
 - **Hazard-determining components of labelling:**
Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts
2-methyl-2H-isothiazol-3-one
 - **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
 - **Precautionary statements**
P261 Avoid breathing mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

| | | |
|---|---|-----------------|
| CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16 | Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 5 % ≤ C < 10 % | ≥10-<25% |
| CAS: 56-81-5 EINECS: 200-289-5 Reg.nr.: 01-2119471987-18 | glycerol substance with a Community workplace exposure limit | 2,5-10% |
| CAS: 25265-71-8 EINECS: 246-770-3 Reg.nr.: 01-2119456811-38 | oxydipropanol substance with a Community workplace exposure limit | ≥0-≤10% |
| CAS: 137-16-6 EINECS: 205-281-5 Reg.nr.: 01-2119527780-39 | Sodium N-lauroylsarcosinate Acute Tox. 2, H330; Eye Dam. 1, H318; Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 30 % Eye Dam. 1; H318: C ≥ 30 % Eye Irrit. 2; H319: 1 % ≤ C < 30 % STOT RE 2; H373: C ≥ 30 % | ≥1-≤2,5% |
| CAS: 2634-33-5 EINECS: 220-120-9 | 1,2-benzisothiazol-3(2H)-one Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/kg LC50/4 h inhalative: 0,21 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0,036 % | ≥0-<0,025% |
| CAS: 2682-20-4 EINECS: 220-239-6 | 2-methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0,0015 % | ≥0,0015-<0,025% |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Seek immediate medical advice.
- **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.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**
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**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Dilute with plenty of water.
- **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** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from frost.
Protect from heat and direct sunlight.
- **Storage class:** 10
- **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

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

56-81-5 glycerol

| | |
|---------------|--|
| AGW (Germany) | Long-term value: 200 E mg/m ³ 2 (I);DFG, Y |
|---------------|--|

25265-71-8 oxydipropanol

| | |
|---------------|--|
| AGW (Germany) | Long-term value: 100 E mg/m ³ 2(II);DFG, Y, II |
|---------------|--|

2634-33-5 1,2-benzisothiazol-3(2H)-one

| | |
|---------------|-------------------------|
| MAK (Germany) | vgl. Abschn. IIb und Xc |
|---------------|-------------------------|

2682-20-4 2-methyl-2H-isothiazol-3-one

| | |
|---------------|-------------------------|
| MAK (Germany) | vgl. Abschn. IIb und Xc |
|---------------|-------------------------|

· DNELs

68891-38-3 Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts

| | | |
|------------|--|---|
| Oral | Long term - systemic effects, general population | 15 mg/kg bw/day (general population) |
| Dermal | Long term - systemic effects, worker | 2.750 mg/kg bw/day (worker) |
| | Long term - local effects, worker | 0,132 mg/cm ² (worker) |
| | Long term - systemic effects, general population | 1.650 mg/kg bw/day (general population) |
| Inhalative | Long term - local effects, general population | 0,079 mg/cm ² (general population) |
| | Long term - systemic effects, worker | 175 mg/m ³ (worker) |
| | Long term - systemic effects, general population | 52 mg/m ³ (general population) |

25265-71-8 oxydipropanol

| | | |
|------------|--|---|
| Oral | Long term - systemic effects, general population | 24 mg/kg bw/day (general population) |
| Dermal | Long term - systemic effects, general population | 51 mg/kg bw/day (general population) |
| | | 84 mg/kg bw/day (worker) |
| Inhalative | Long term - systemic effects, worker | 238 mg/m ³ (worker) |
| | Long term - systemic effects, general population | 70 mg/m ³ (general population) |

137-16-6 Sodium N-lauroylsarcosinate

| | | |
|------------|--|--|
| Oral | Long term - systemic effects, general population | 10 mg/kg bw/day (general population) |
| Dermal | Long term - systemic effects, worker | 20 mg/kg bw/day (worker) |
| | Long term - systemic effects, general population | 10 mg/kg bw/day (general population) |
| Inhalative | Long term - systemic effects, worker | 70,53 mg/m ³ (worker) |
| | Long term - local effects, worker | 5 mg/m ³ (worker) |
| | Long term - systemic effects, general population | 17,39 mg/m ³ (general population) |
| | Long term - local effects, general population | 5 mg/m ³ (general population) |

· PNECs

68891-38-3 Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts

| | |
|--|---|
| Aquatic compartment - freshwater | 0,24 mg/l (freshwater) |
| Aquatic compartment - marine water | 0,024 mg/l (marine water) |
| Aquatic compartment - water, intermittent releases | 0,071 mg/l (intermittent release water) |
| Aquatic compartment - sediment in freshwater | 0,917 mg/kg sed dw (sediment fresh water) |

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| | |
|---|---|
| <i>Aquatic compartment - sediment in marine water</i> | 0,0917 mg/kg sed dw (sediment marine water) |
| <i>Terrestrial compartment - soil</i> | 7,5 mg/kg dw (soil) |
| <i>sewage treatment plant</i> | 10.000 mg/l (sewage treatment plant) |
| 25265-71-8 oxydipropanol | |
| <i>Aquatic compartment - freshwater</i> | 0,1 mg/l (freshwater) |
| <i>Aquatic compartment - marine water</i> | 0,01 mg/l (marine water) |
| <i>Aquatic compartment - water, intermittent releases</i> | 1 mg/l (intermittent release water) |
| <i>Aquatic compartment - sediment in freshwater</i> | 0,238 mg/kg sed dw (sediment fresh water) |
| <i>Aquatic compartment - sediment in marine water</i> | 0,024 mg/kg sed dw (sediment marine water) |
| <i>Terrestrial compartment - soil</i> | 0,025 mg/kg dw (soil) |
| <i>sewage treatment plant</i> | 1.000 mg/l (sewage treatment plant) |
| <i>Oral secondary poisoning</i> | 313 mg/kg food (food sec poisoning) |
| 137-16-6 Sodium N-lauroylsarcosinate | |
| <i>Aquatic compartment - freshwater</i> | 0,009 mg/l (freshwater) |
| <i>Aquatic compartment - marine water</i> | 0,0009 mg/l (marine water) |
| <i>Aquatic compartment - sediment in freshwater</i> | 0,064 mg/kg sed dw (sediment fresh water) |
| <i>Aquatic compartment - sediment in marine water</i> | 0,0064 mg/kg sed dw (sediment marine water) |
| <i>Terrestrial compartment - soil</i> | 0,008 mg/kg dw (soil) |
| <i>sewage treatment plant</i> | 3 mg/l (sewage treatment plant) |

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

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

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

· **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:** Not required.

· **Hand protection** Protective gloves

· **Material of gloves**

Butyl rubber

Recommended material thickness: $\geq 0.3\text{mm}$

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

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Green

· **Odour:**

Characteristic

· **Odour threshold:**

No further relevant information available.

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| | |
|--|--|
| · Melting point/freezing point: | No further relevant information available. |
| · Boiling point or initial boiling point and boiling range | No further relevant information available. |
| · Flammability | Not applicable. |
| · Lower and upper explosion limit | |
| · Lower: | Not applicable. |
| · Upper: | Not applicable. |
| · Flash point: | 84 °C |
| · Auto-ignition temperature: | No further relevant information available. |
| · Decomposition temperature: | No further relevant information available. |
| · pH at 20 °C | 7,7 (DIN 19268) |
| · Viscosity: | |
| · Kinematic viscosity | Not determined. |
| Dynamic: | Not determined. |
| · Solubility | |
| · water: | Fully miscible. |
| · Partition coefficient n-octanol/water (log value) | Does not apply to mixtures. |
| · Vapour pressure at 20 °C: | 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity) |
| · Density and/or relative density | |
| · Density at 20 °C: | 1,035 g/cm ³ (DIN 51757) |
| · Relative density | No further relevant information available. |
| · Vapour density | No further relevant information available. |
| · 9.2 Other information | |
| · Appearance: | |
| · Form: | Fluid |
| · Ignition temperature: | Product is not selfigniting. |
| · Explosive properties: | Product does not present an explosion hazard. |
| · Molecular formula | |
| · Oxidising properties | No further relevant information available. |
| · Evaporation rate | No further relevant information available. |
| · 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 |

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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 and stored 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 relevant for classification:

68891-38-3 Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts

| | | |
|--------|-------|------------------------------------|
| Oral | LD50 | 2.870 mg/kg (rat) (OECD 401) |
| | NOAEL | 300 mg/kg (rat) (OECD 408) 90 d |
| Dermal | LD50 | >2.000 mg/kg (rat) (OECD 402) |

56-81-5 glycerol

| | | |
|--------|------|--|
| Oral | LD50 | 12.600 mg/kg (rat) >10.000 mg/kg (rabbit) |
| | LD50 | >10.000 mg/kg (rabbit) |
| Dermal | LD50 | >10.000 mg/kg (rabbit) |

25265-71-8 oxydipropanol

| | | |
|------------|---------|-----------------------|
| Oral | LD50 | >5.000 mg/kg (rat) |
| Dermal | LD50 | >5.010 mg/kg (rabbit) |
| Inhalative | LD50/4h | >2,34 mg/l (rat) |

137-16-6 Sodium N-lauroylsarcosinate

| | | |
|------|------|-------------------------------|
| Oral | LD50 | >5.000 mg/kg (rat) (OECD 401) |
|------|------|-------------------------------|

2634-33-5 1,2-benzisothiazol-3(2H)-one

| | | |
|------------|----------|------------------------------------|
| Oral | LD50 | 450 mg/kg (ATE) 670 mg/kg (rat) |
| | LD50 | >2.000 mg/kg (rat) |
| Inhalative | LC50/4 h | 0,21 mg/l (ATE) |

2682-20-4 2-methyl-2H-isothiazol-3-one

| | | |
|--------|------|--------------------|
| Oral | LD50 | 391 mg/kg (rat) |
| Dermal | LD50 | 326 mg/kg (rabbit) |

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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.

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· **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:****68891-38-3 Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts**NOEC 28 d 0,14 mg/l (*Oncorhynchus mykiss*) (OECD 215)NOEC 21 d 0,27 mg/l (*Daphnia magna*) (OECD 211)NOEC 72 h 0,95 mg/l (*Scenedesmus subspicatus*) (OECD 201)

LC50/96 h 7,1 mg/l (bra) (OECD 203)

EC50/48 h 7,4 mg/l (*Daphnia magna*) (OECD 202)EC50/72 h 27,7 mg/l (*Scenedesmus subspicatus*) (OECD 201)**56-81-5 glycerol**

LC50/96 h >1.000 mg/l (fish)

54.000 mg/l (salmon)

EC50/24 h >10.000 mg/l (*Daphnia magna*)**25265-71-8 oxydipropanol**EC10 >1.000 mg/l (*Pseudomonas putida*)
18 h

LC50/96 h 1.000-46.500 mg/l (fish)

EC50/48 h >100 mg/l (*Daphnia magna*)EC50/72 h >100 mg/l (*Desmodesmus subspicatus*) (OECD 201)**137-16-6 Sodium N-lauroylsarcosinate**

NOEC 3 h 30 mg/l ()

LC50/96 h 32,1 mg/l (*Danio rerio*) (OECD 203)EC50/48 h 8,9 mg/l (*Daphnia magna*) (OECD 202)EC50/72 h 79 mg/l (*Desmodesmus subspicatus*) (ATE)**2634-33-5 1,2-benzisothiazol-3(2H)-one**NOEC 72 h 0,04 mg/l (*Selenastrum capricornutum*) (OECD 201)LC50/96 h 2,2 mg/l (*Oncorhynchus mykiss*) (OECD 203)EC50/48 h 3,27 mg/l (*Daphnia magna*) (OECD 202)EC50/72 h 0,11 mg/l (*Selenastrum capricornutum*)**2682-20-4 2-methyl-2H-isothiazol-3-one**NOEC 21 d 0,04 mg/l (*Daphnia magna*)LC50/96 h 4,77 mg/l (*Oncorhynchus mykiss*)EC50/48 h 0,93-1,9 mg/l (*Daphnia magna*)

EC50/3h 34,6 mg/l (bel) (DIN 38412-3)

EC50/72 h 0,158 mg/l (*Selenastrum capricornutum*)· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential** No further relevant information available.

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- **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 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **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.
- **UN "Model Regulation":** 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.

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- **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:**

- **Other regulations, limitations and prohibitive regulations**

822.115, Jugendarbeitsschutzverordnung - ArGV 5 und 822.115.2, Verordnung des WBF über gefährliche Arbeiten für Jugendliche sind zu beachten.

ArGV 1 und 822.111.52, Verordnung des WBF über gefährliche und beschwerliche Arbeiten bei Schwangerschaft und Mutterschaft sind zu beachten.

- **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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Relevant phrases**

H301 Toxic if swallowed.

H302 Harmful if swallowed.

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.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

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.

H412 Harmful to aquatic life with long lasting effects.

EUH071 Corrosive to the respiratory tract.

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

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Department issuing SDS: Department R&D**

- **Contact: Department R&D**

- **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

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Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

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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
ATE: Acute toxicity estimate values
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Sources

(EC) No 1907/2006 (REACH) as amended.
(EC) No. 1272/2008 (CLP) in the valid version
Guidance on the compilation of safety data sheets as amended (ECHA)
Guidance on labelling and packaging according to Regulation (EC) No 1272/2008 (CLP) as amended (ECHA)
Safety data sheets of the ingredients
ECHA homepage - Information on chemicals

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