

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

## PERFEKTAN® NEU

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: 15.01.2026  |
| 1.2     | 10.04.2026     | 199999900020 | Date of first issue: 14.01.2026 |
|         |                |              | Country / Language : DE / EN    |

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

### 1.1 Product identifier

Product name : PERFEKTAN® NEU

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Instrument cleaning and disinfection for invasive medical de-  
vices. Not suitable for disinfection as the final step in the pro-  
cessing of invasive medical devices.

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

Company : Dr. Schumacher GmbH  
Am Roggenfeld 3  
34323 Malsfeld

Telephone : +49 566494960

Telefax : +49 56648444

E-mail address of person : sds.sap-ehs@schumacher-online.com  
responsible for the SDS

### 1.4 Emergency telephone number

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

|                                                |                                                             |
|------------------------------------------------|-------------------------------------------------------------|
| Acute toxicity, Category 4                     | H302: Harmful if swallowed.                                 |
| Skin irritation, Category 2                    | H315: Causes skin irritation.                               |
| Skin sensitisation, Category 1                 | H317: May cause an allergic skin reaction.                  |
| Serious eye damage, Category 1                 | H318: Causes serious eye damage.                            |
| Short-term (acute) aquatic hazard, Category 1  | H400: Very toxic to aquatic life.                           |
| Long-term (chronic) aquatic hazard, Category 1 | H410: Very toxic to aquatic life with long lasting effects. |

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### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :

|      |                                                       |
|------|-------------------------------------------------------|
| H302 | Harmful if swallowed.                                 |
| H315 | Causes skin irritation.                               |
| H317 | May cause an allergic skin reaction.                  |
| H318 | Causes serious eye damage.                            |
| H410 | Very toxic to aquatic life with long lasting effects. |

Precautionary statements : **Prevention:**

P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### **Response:**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### **Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

#### **Hazardous components which must be listed on the label:**

Alcohols, C9-11-branched, ethoxylated  
tridecylamine, branched and linear  
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine  
maleic acid  
N-dodecylpropane-1,3-diamine

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

| Chemical name                                      | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number     | Classification                                                                                                                                                                                                         | Concentration<br>(% w/w) |
|----------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Alcohols, C9-11-branched, ethoxylated              | 169107-21-5                                               | Acute Tox. 4; H302<br>Eye Dam. 1; H318                                                                                                                                                                                 | >= 10 - < 20             |
| 2-(2-butoxyethoxy)ethanol                          | 112-34-5<br>203-961-6<br>603-096-00-8<br>01-2119475104-44 | Eye Irrit. 2; H319<br>Aquatic Chronic 3;<br>H412                                                                                                                                                                       | >= 1 - < 10              |
| Alcohols, C12-15, branched and linear, ethoxylated | 106232-83-1                                               | Acute Tox. 4; H302<br>Eye Dam. 1; H318<br>Aquatic Chronic 3;<br>H412                                                                                                                                                   | >= 3 - < 10              |
| tridecylamine, branched and linear                 | 86089-17-0<br>289-185-9<br>01-2119461722-40               | Skin Corr. 1B; H314<br>STOT SE 3; H335<br>(Respiratory system)<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br>Acute Tox. 4; H302<br><br>Acute toxicity estimate<br><br>Acute oral toxicity:<br>820 mg/kg | >= 3 - < 5               |
| N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine     | 2372-82-9<br>219-145-8<br>01-2119980592-29                | Acute Tox. 3; H301<br>Skin Corr. 1B; H314<br>STOT RE 2; H373<br>(Kidney)<br>Aquatic Acute 1;                                                                                                                           | >= 3 - < 5               |

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|                              |                                                           |                                                                                                                                                                                                                                                           |                     |
|------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|                              |                                                           | H400<br>Aquatic Chronic 1;<br>H410                                                                                                                                                                                                                        |                     |
| maleic acid                  | 110-16-7<br>203-742-5<br>607-095-00-3<br>01-2119488705-25 | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Skin Sens. 1; H317<br>STOT SE 3; H335<br>(Lungs)<br><br>specific concentration<br>limit<br>Skin Sens. 1; H317<br>>= 0,1 %                                                              | >= 1 - < 10         |
| N-dodecylpropane-1,3-diamine | 5538-95-4<br>226-902-6<br>01-2120862678-37                | Acute Tox. 4; H302<br>Skin Corr. 1; H314<br>Skin Sens. 1; H317<br>Eye Dam. 1; H318<br>Aquatic Acute 1;<br>H400                                                                                                                                            | >= 0,25 - < 1       |
| dodecylamine                 | 124-22-1<br>204-690-6<br>01-2119484818-20                 | Acute Tox. 4; H302<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br><br>M-Factor (Acute<br>aquatic toxicity): 10<br>M-Factor (Chronic<br>aquatic toxicity): 10<br><br>Acute toxicity esti-<br>mate<br><br>Acute oral toxicity:<br>2.000 mg/kg | >= 0,025 - <<br>0,1 |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Take off immediately all contaminated clothing.  
If you feel unwell, seek medical advice (show the label where possible).

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- |                         |   |                                                                                                                                               |
|-------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled              | : | Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.<br>If symptoms persist, call a physician.         |
| In case of skin contact | : | Wash off immediately with plenty of water for at least 15 minutes.<br>Call a physician if irritation persists.                                |
| In case of eye contact  | : | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>If eye irritation persists, consult a specialist. |
| If swallowed            | : | DO NOT induce vomiting unless directed to do so by a physician or poison control center.<br>Rinse mouth.<br>Obtain medical attention.         |

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

- |       |   |                                                                                                                        |
|-------|---|------------------------------------------------------------------------------------------------------------------------|
| Risks | : | Harmful if swallowed.<br>Causes skin irritation.<br>May cause an allergic skin reaction.<br>Causes serious eye damage. |
|-------|---|------------------------------------------------------------------------------------------------------------------------|

### 4.3 Indication of any immediate medical attention and special treatment needed

- |           |   |                        |
|-----------|---|------------------------|
| Treatment | : | Treat symptomatically. |
|-----------|---|------------------------|
- 

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- |                                |   |                                                                                                                                              |
|--------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : | The product itself does not burn.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : | High volume water jet                                                                                                                        |

### 5.2 Special hazards arising from the substance or mixture

- |                                       |   |                                                                           |
|---------------------------------------|---|---------------------------------------------------------------------------|
| Specific hazards during fire-fighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products         | : | Carbon oxides<br>Nitrogen oxides (NO <sub>x</sub> )                       |

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### 5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.  
for firefighters

Further information : Collect contaminated fire extinguishing water separately. This  
must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must  
be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,  
acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the ap-  
plication area.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national  
regulations.

Advice on protection against : Normal measures for preventive fire protection.  
fire and explosion

Hygiene measures : When using do not eat or drink. When using do not smoke.

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Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Storage class (TRGS 510) : 12

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components                                     | CAS-No.                                                                                                                                  | Value type (Form of exposure) | Control parameters    | Basis       |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------|-------------|
| 2-(2-butoxyethoxy)ethanol                      | 112-34-5                                                                                                                                 | TWA                           | 10 ppm<br>67,5 mg/m3  | 2006/15/EC  |
|                                                | Further information: Indicative                                                                                                          |                               |                       |             |
|                                                |                                                                                                                                          | STEL                          | 15 ppm<br>101,2 mg/m3 | 2006/15/EC  |
|                                                | Further information: Indicative                                                                                                          |                               |                       |             |
|                                                |                                                                                                                                          | AGW (Vapour and aerosols)     | 10 ppm<br>67 mg/m3    | DE TRGS 900 |
|                                                | Peak-limit: excursion factor (category): 1.5;(I)                                                                                         |                               |                       |             |
|                                                | Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child |                               |                       |             |
|                                                |                                                                                                                                          | MAK                           | 10 ppm<br>67 mg/m3    | DE DFG MAK  |
|                                                | Peak-limit: excursion factor (category): 1.5; I                                                                                          |                               |                       |             |
|                                                | Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed                          |                               |                       |             |
| N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine | 2372-82-9                                                                                                                                | AGW (Inhalable fraction)      | 0,05 mg/m3            | DE TRGS 900 |
|                                                | Peak-limit: excursion factor (category): 8;(II)                                                                                          |                               |                       |             |
|                                                | Further information: When there is compliance with the OEL and biological                                                                |                               |                       |             |

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|  |                                                                                                                 |                        |            |
|--|-----------------------------------------------------------------------------------------------------------------|------------------------|------------|
|  | tolerance values, there is no risk of harming the unborn child                                                  |                        |            |
|  | MAK (inhalable fraction)                                                                                        | 0,05 mg/m <sup>3</sup> | DE DFG MAK |
|  | Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed |                        |            |

### 8.2 Exposure controls

#### Individual protection measures, such as personal protective equipment (PPE)

- |                          |                                                                                                                                                                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection      | : Safety glasses with side-shields conforming to EN166                                                                                                                                                                                                                                                                            |
| Hand protection          |                                                                                                                                                                                                                                                                                                                                   |
| Material                 | : Chemical protective gloves made of nitrile, layer thickness at least 0.1 mm, breakthrough time (wearing time) approx. 240 minutes or gloves with the same protective effect.<br>This recommendation is based exclusively on the chemical compatibility and the test according to EN 374-1 Type A/B under laboratory conditions. |
| Remarks                  | : The suitability for a specific workplace should be discussed with the producers of the protective gloves.                                                                                                                                                                                                                       |
| Skin and body protection | : Long sleeved clothing                                                                                                                                                                                                                                                                                                           |
| Respiratory protection   | : No personal respiratory protective equipment normally required.                                                                                                                                                                                                                                                                 |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |                                                  |                  |
|--------------------------------------------------|------------------|
| Physical state                                   | : liquid         |
| Form                                             | : liquid         |
| Colour                                           | : green          |
| Odour                                            | : odourized      |
| Melting point/ range                             | : not determined |
| Boiling point/boiling range                      | : ca. 100 °C     |
| Upper explosion limit / Upper flammability limit | : not determined |
| Lower explosion limit / Lower flammability limit | : not determined |

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|                                            |   |                                  |
|--------------------------------------------|---|----------------------------------|
| Flash point                                | : | > 70 °C<br>Method: closed cup    |
| Decomposition temperature                  | : | No data available                |
| pH                                         | : | ca. 9                            |
| Viscosity                                  |   |                                  |
| Viscosity, kinematic                       | : | not determined                   |
| Solubility(ies)                            |   |                                  |
| Water solubility                           | : | (20 °C)<br>completely miscible   |
| Partition coefficient: n-<br>octanol/water | : | No data available                |
| Vapour pressure                            | : | not determined                   |
| Density                                    | : | 1,0235 g/cm <sup>3</sup> (20 °C) |
| Relative vapour density                    | : | not determined                   |

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

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### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Harmful if swallowed.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 1.245 mg/kg  
Method: Calculation method

#### Components:

##### **2-(2-butoxyethoxy)ethanol:**

Acute oral toxicity : LD50 (Mouse, male): 2.410 mg/kg  
Method: OECD Test Guideline 401  
Symptoms: anorexia, Coma, Respiratory disorders, lethargy,  
Tremors  
GLP: no

Acute dermal toxicity : LD50 (Rabbit, male): 2.764 mg/kg  
Method: OECD Test Guideline 402  
GLP: no

##### **tridecylamine, branched and linear:**

Acute oral toxicity : LD50 (Rat): 820 mg/kg

##### **maleic acid:**

Acute oral toxicity : LD50 (Rat): 2.870 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 1.560 mg/kg

##### **dodecylamine:**

Acute oral toxicity : LD50 (Rat): 2.000 mg/kg

Acute dermal toxicity : LD50 (Rat): 2.000 mg/kg

#### **Skin corrosion/irritation**

Causes skin irritation.

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### **Product:**

Assessment : Not corrosive  
Method : OECD Test Guideline 435

### **Serious eye damage/eye irritation**

Causes serious eye damage.

### **Product:**

Remarks : May cause irreversible eye damage.

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

#### **STOT - repeated exposure**

Not classified based on available information.

#### **Aspiration hazard**

Not classified based on available information.

## **11.2 Information on other hazards**

### **Endocrine disrupting properties**

#### **Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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### Further information

#### Product:

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **2-(2-butoxyethoxy)ethanol:**

Toxicity to fish : LC50 (Fish): 1.300 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic plants : ErC50 (algae): 100 mg/l  
Exposure time: 96 h

##### **maleic acid:**

Toxicity to algae/aquatic plants : (algae): 74,35 mg/l  
Exposure time: 72 h

##### **dodecylamine:**

Toxicity to fish : LC50 (Fish): 0,098 mg/l  
Exposure time: 96 h

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

##### **2-(2-butoxyethoxy)ethanol:**

Partition coefficient: n-octanol/water : log Pow: 1 (20,00 °C)  
pH: 7

##### **N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine:**

Partition coefficient: n-octanol/water : Remarks: No data available

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octanol/water

### maleic acid:

Partition coefficient: n- : log Pow: -1,3 (20,00 °C)  
octanol/water pH: 2,5

### N-dodecylpropane-1,3-diamine:

Partition coefficient: n- : Remarks: No data available  
octanol/water

### dodecylamine:

Partition coefficient: n- : log Pow: 4,76  
octanol/water

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Endocrine disrupting properties

### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7 Other adverse effects

### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

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|---------|----------------|--------------|---------------------------------|
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courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

Waste Code : used product  
070699  
WASTES FROM ORGANIC CHEMICAL PROCESSES;  
wastes from MFSU of greases, lubricants, soaps, detergents,  
disinfectants and personal care products; wastes not otherwise specified.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

|      |           |
|------|-----------|
| ADN  | : UN 3082 |
| ADR  | : UN 3082 |
| RID  | : UN 3082 |
| IMDG | : UN 3082 |
| IATA | : UN 3082 |

#### 14.2 UN proper shipping name

|      |                                                                         |
|------|-------------------------------------------------------------------------|
| ADN  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Disinfectant) |
| ADR  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Disinfectant) |
| RID  | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Disinfectant) |
| IMDG | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(Disinfectant) |
| IATA | : Environmentally hazardous substance, liquid, n.o.s.<br>(Disinfectant) |

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### 14.3 Transport hazard class(es)

|             | Class | Subsidiary risks |
|-------------|-------|------------------|
| <b>ADN</b>  | : 9   |                  |
| <b>ADR</b>  | : 9   |                  |
| <b>RID</b>  | : 9   |                  |
| <b>IMDG</b> | : 9   |                  |
| <b>IATA</b> | : 9   |                  |

### 14.4 Packing group

**ADN**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
Limited quantity : 5,00L / 30,00KG  
Special Provisions : 274, 335, 375, 601  
Remarks :

**ADR**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
Tunnel restriction code : (-)  
Limited quantity : 5,00L / 30,00KG  
Special Provisions : 274, 335, 375, 601  
Remarks :

**RID**  
Packing group : III  
Classification Code : M6  
Hazard Identification Number : 90  
Labels : 9  
Limited quantity : 5,00L / 30,00KG  
Special Provisions : 274, 335, 375, 601  
Remarks :

**IMDG**  
Packing group : III  
Labels : 9  
Limited quantity : 5,00L / 30,00KG  
EmS Code : F-A, S-F  
Special Provisions : 274, 335, 969  
Remarks :

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### IATA (Cargo)

|                                      |   |                               |
|--------------------------------------|---|-------------------------------|
| Packing instruction (cargo aircraft) | : | 964                           |
| Packing instruction (LQ)             | : | Y964                          |
| Packing group                        | : | III                           |
| Labels                               | : | Miscellaneous Dangerous Goods |
| Special Provisions                   | : | A215, A197, A158, A97         |
| Remarks                              | : |                               |

### IATA (Passenger)

|                                          |   |                               |
|------------------------------------------|---|-------------------------------|
| Packing instruction (passenger aircraft) | : | 964                           |
| Packing instruction (LQ)                 | : | Y964                          |
| Packing group                            | : | III                           |
| Labels                                   | : | Miscellaneous Dangerous Goods |
| Special Provisions                       | : | A97, A158, A197, A215         |
| Remarks                                  | : |                               |

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

|                                                                                                                                            |   |                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered:<br>Number on list 3<br><br>Number on list 75 |
|--------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------|

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If you intend to use this product as  
tattoo ink, please contact your ven-  
dor.

|                                                                                                                                |   |                                            |
|--------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------|
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).                                      | : | Banned and/or restricted<br>Not applicable |
| Regulation (EU) No 2024/590 on substances that deplete the ozone layer                                                         | : | Not applicable                             |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast)                                                            | : | Not applicable                             |
| Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals | : | Not applicable                             |
| REACH - List of substances subject to authorisation (Annex XIV)                                                                | : | Not applicable                             |

Seveso III: Directive 2012/18/EU of the Euro- E2 ENVIRONMENTAL HAZARDS  
pean Parliament and of the Council on the  
control of major-accident hazards involving  
dangerous substances.

Water hazard class (Germa- : WGK 2 obviously hazardous to water  
ny) Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : 5.2.5: Organic Substances:  
Class 2: < 0,01 % 64-19-7

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial and  
livestock rearing emissions (integrated pollution prevention  
and control)  
Volatile organic compounds (VOC) content: 3,71 %

### Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national  
regulations, where applicable.

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

## SECTION 16: Other information

### Full text of H-Statements

H301 : Toxic if swallowed.

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|      |                                                                      |
|------|----------------------------------------------------------------------|
| H302 | : Harmful if swallowed.                                              |
| 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.                                     |
| H335 | : May cause respiratory irritation.                                  |
| 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.                 |

### Full text of other abbreviations

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Acute Tox.        | : Acute toxicity                                          |
| Aquatic Acute     | : Short-term (acute) aquatic hazard                       |
| Aquatic Chronic   | : Long-term (chronic) aquatic hazard                      |
| Eye Dam.          | : Serious eye damage                                      |
| Eye Irrit.        | : Eye irritation                                          |
| Skin Corr.        | : Skin corrosion                                          |
| Skin Irrit.       | : Skin irritation                                         |
| Skin Sens.        | : Skin sensitisation                                      |
| STOT RE           | : Specific target organ toxicity - repeated exposure      |
| STOT SE           | : Specific target organ toxicity - single exposure        |
| Skin Sens.        | : Skin sensitisation                                      |
| 2006/15/EC        | : Europe. Indicative occupational exposure limit values   |
| DE DFG MAK        | : Germany. MAK BAT Annex IIa                              |
| DE TRGS 900       | : Germany. TRGS 900 - Occupational exposure limit values. |
| 2006/15/EC / TWA  | : Limit Value - eight hours                               |
| 2006/15/EC / STEL | : Short term exposure limit                               |
| DE DFG MAK / MAK  | : MAK value                                               |
| DE TRGS 900 / AGW | : Time Weighted Average                                   |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL

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- Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

|                   |      |
|-------------------|------|
| Acute Tox. 4      | H302 |
| Skin Irrit. 2     | H315 |
| Skin Sens. 1      | H317 |
| Eye Dam. 1        | H318 |
| Aquatic Acute 1   | H400 |
| Aquatic Chronic 1 | H410 |

#### Classification procedure:

|                        |
|------------------------|
| Calculation method     |
| On basis of test data. |
| Calculation method     |
| On basis of test data. |
| Calculation method     |
| Calculation method     |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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