

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Version number: GHS 4.0  
Replaces version of: 2021-03-30 (GHS 3)

Revision: 2021-11-30

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

### 1.1 Product identifier

Trade name **PROMAT CHEMICALS ALLZWECKREINIGER CITRO**  
Unique formula identifier (UFI) A4D0-J04K-000K-32WK  
Article number 4000 355700 (1000 ml)  
4000 355701 (5 Ltr.)  
4000 355702 (10 Ltr.)

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

Relevant identified uses general use  
washing and cleaning product  
Uses advised against do not use for products which come into contact with foodstuffs

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

NORDWEST Handel AG  
Robert-Schuman-Straße 17  
44263 Dortmund  
Germany

Telephone: +49 (0)231 2222-3001  
Telefax: +49 (0)231 2222-3099  
Website: www.nordwest.com

e-Mail (competent person): sdb@nordwest.com

### 1.4 Emergency telephone number

Austria: Vergiftungsinformationszentrale der Gesundheit +43 1 406 43 43  
Germany: Beratungsstelle bei Vergiftungen Giftinformation- +49(0)6131 / 19240  
szentrale der Länder Rheinland-Pfalz und Hessen  
Switzerland: Tox Info Suisse +145, 24h oder +41 44 251 51 51

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

| Section | Hazard class                      | Category | Hazard class and category | Hazard statement |
|---------|-----------------------------------|----------|---------------------------|------------------|
| 3.3     | serious eye damage/eye irritation | Cat. 2   | (Eye Irrit. 2)            | H319             |

#### Remarks

For full text of H-phrases: see SECTION 16.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word **warning**

Pictograms

GHS07



H319 Causes serious eye irritation.  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/eye protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

This material is combustible, but will not ignite readily.

#### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description of the mixture

| Hazardous ingredients acc. to EU regulation |  |         |  |            |
|---|--|---------|--|------------|
| Name of substance                           | Identifier   | Wt%     | Classification acc. to 1272/2008/EC  | Pictograms |
| 2-Butoxy-ethanol                            | CAS No<br>111-76-2<br><br>EC No<br>203-905-0<br><br>REACH Reg. No<br>01-2119475108-36-xxxx   | 1 - < 5 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H312<br>Acute Tox. 4 / H332<br>Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319 |            |
| Natriumcarbonat                             | CAS No<br>497-19-8<br><br>EC No<br>207-838-8<br><br>REACH Reg. No<br>01-2119485498-19-xxxx   | 1 - < 5 | Eye Irrit. 2 / H319  |            |
| Natriumdodecylbenolsulfonat                 | CAS No<br>25155-30-0<br><br>EC No<br>246-680-4<br><br>REACH Reg. No<br>01-2120088038-51-xxxx | 1 - < 5 | Acute Tox. 4 / H302<br>Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318<br>STOT SE 3 / H335                             | <br>       |
| Alkohole, C12-14, ethoxyliert, propoxyliert | CAS No<br>68439-51-0<br><br>EC No<br>931-986-9   | 1 - < 5 | Aquatic Chronic 3 / H412   |            |
| edetic acid                                 | CAS No<br>60-00-4<br><br>EC No<br>200-449-4<br><br>REACH Reg. No<br>01-2119486399-18-xxxx    | < 1     | Eye Irrit. 2 / H319  |            |

For full text of abbreviations: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water. Take off contaminated clothing.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

Symptoms and effects are not known to date.

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

none

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

water jet

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

#### Hazardous combustion products

nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

#### Advice on how to contain a spill

Covering of drains.

#### Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage ((sawdust, kieselgur (diatomite), sand, universal binder). Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

#### Managing of associated risks

Incompatible substances or mixtures

Observe hints for combined storage.

#### Control of effects

- Protect against external exposure, such as

frost

#### Consideration of other advice

Observe instructions for use. Keep out of reach of children.

### 7.3 Specific end use(s)

See section 16 for a general overview.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent   | CAS No   | Notation | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Source     |
|---------|-----------------|----------|----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|------------|
| DE      | 2-butoxyethanol | 111-76-2 |          | MAK        | 10        | 49                       | 20         | 98                        |                 |                                | DFG        |
| DE      | 2-butoxyethanol | 111-76-2 | H, Y     | AGW        | 10        | 49                       | 20         | 98                        |                 |                                | TRGS 900   |
| EU      | 2-butoxyethanol | 111-76-2 |          | IOELV      | 20        | 98                       | 50         | 246                       |                 |                                | 2000/39/EC |

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

H absorbed through the skin

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Y a risk of developmental toxicity does not need to be expected if the occupational exposure limit value and the biological limit value (BGW) are adhered to

Biological limit values

| Country | Name of agent   | Parameter           | Notation   | Identifier | Value    | Source   |
|---------|-----------------|---------------------|------------|------------|----------|----------|
| DE      | 2-butoxyethanol | 2-butoxyacetic acid | hydr, crea | BAT        | 150 mg/l | DFG      |
| DE      | 2-butoxyethanol | 2-butoxyacetic acid | hydr, crea | BLV        | 150 mg/l | TRGS 903 |

Notation

crea creatinine

hydr hydrolysis

#### Relevant DNELs/DMELs/PNECs and other threshold levels

• relevant DNELs of components of the mixture

| Name of substance              | CAS No     | Endpoint | Threshold level         | Protection goal, route of exposure | Used in           | Exposure time              |
|--------------------------------|------------|----------|-------------------------|------------------------------------|-------------------|----------------------------|
| 2-butoxyethanol                | 111-76-2   | DNEL     | 246 mg/m <sup>3</sup>   | human, inhalatory                  | worker (industry) | acute - local effects      |
| 2-butoxyethanol                | 111-76-2   | DNEL     | 89 mg/kg                | human, dermal                      | worker (industry) | acute - systemic effects   |
| 2-butoxyethanol                | 111-76-2   | DNEL     | 1,091 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | acute - systemic effects   |
| 2-butoxyethanol                | 111-76-2   | DNEL     | 125 mg/kg               | human, dermal                      | worker (industry) | chronic - systemic effects |
| 2-butoxyethanol                | 111-76-2   | DNEL     | 98 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| sodium carbonate               | 497-19-8   | DNEL     | 10 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | chronic - local effects    |
| sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL     | 52 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | acute - local effects      |
| sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL     | 80 mg/kg                | human, dermal                      | worker (industry) | acute - systemic effects   |
| sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL     | 52 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | acute - systemic effects   |
| sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL     | 52 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | chronic - local effects    |
| sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL     | 57.2 mg/kg              | human, dermal                      | worker (industry) | chronic - systemic effects |
| sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL     | 52 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| edetic acid                    | 60-00-4    | DNEL     | 3 mg/m <sup>3</sup>     | human, inhalatory                  | worker (industry) | acute - local effects      |

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| Name of substance | CAS No  | Endpoint | Threshold level       | Protection goal, route of exposure | Used in           | Exposure time           |
|-------------------|---------|----------|-----------------------|------------------------------------|-------------------|-------------------------|
| edetic acid       | 60-00-4 | DNEL     | 1.5 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - local effects |

• relevant PNECs of components of the mixture

| Name of substance              | CAS No     | Endpoint | Threshold level | Organism              | Environmental compartment    | Exposure time                |
|--------------------------------|------------|----------|-----------------|-----------------------|------------------------------|------------------------------|
| 2-butoxyethanol                | 111-76-2   | PNEC     | 8.8 mg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |
| 2-butoxyethanol                | 111-76-2   | PNEC     | 463 mg/l        | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| 2-butoxyethanol                | 111-76-2   | PNEC     | 34.6 mg/kg      | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| 2-butoxyethanol                | 111-76-2   | PNEC     | 2.33 mg/kg      | terrestrial organisms | soil                         | short-term (single instance) |
| 2-butoxyethanol                | 111-76-2   | PNEC     | 9.1 mg/l        | aquatic organisms     | water                        | intermittent release         |
| 2-butoxyethanol                | 111-76-2   | PNEC     | 0.88 mg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC     | 0.693 mg/l      | aquatic organisms     | freshwater                   | short-term (single instance) |
| sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC     | 1 mg/l          | aquatic organisms     | marine water                 | short-term (single instance) |
| sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC     | 50 mg/l         | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC     | 27.5 mg/kg      | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC     | 2.75 mg/kg      | aquatic organisms     | marine sediment              | short-term (single instance) |
| sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC     | 20 mg/kg        | aquatic organisms     | water                        | short-term (single instance) |
| sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC     | 0.654 mg/l      | aquatic organisms     | water                        | intermittent release         |
| sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC     | 25 mg/kg        | terrestrial organisms | soil                         | short-term (single instance) |
| edetic acid                    | 60-00-4    | PNEC     | 2.2 mg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |
| edetic acid                    | 60-00-4    | PNEC     | 0.22 mg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| edetic acid                    | 60-00-4    | PNEC     | 43 mg/l         | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| edetic acid                    | 60-00-4    | PNEC     | 1.2 mg/l        | aquatic organisms     | water                        | intermittent release         |
| edetic acid                    | 60-00-4    | PNEC     | 0.72 mg/kg      | terrestrial organisms | soil                         | short-term (single instance) |

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)



Eye/face protection

Use protective eyewear to guard against splash of liquids.

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Skin protection

#### • hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### • type of material

NR: natural rubber, latex, FKM: fluoro-elastomer

#### • breakthrough times of the glove material

>480 minutes (permeation: level 6)

#### • other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection

Full face mask/half mask/quarter mask (EN 136/140)

P2 (filters at least 94 % of airborne particles, colour code: White)

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                |                |
|----------------|----------------|
| Physical state | liquid         |
| Colour         | various        |
| Odour          | characteristic |

#### Other physical and chemical parameters

|   |                                    |
|---|------------------------------------|
| Melting point/freezing point            | not determined                     |
| Initial boiling point and boiling range | 100 °C at 1.013 bar                |
| Flash point                             | 67 °C at 1,013 hPa                 |
| Flammability (solid, gas)               | not relevant (fluid)               |
| Explosive limits                        | not determined                     |
| Vapour pressure                         | 0.023 bar at 20 °C                 |
| Density                                 | 1.025 g/ml (calculated value)      |
| Solubility(ies)                         |                                    |
| Water solubility                        | miscible in any proportion         |
| Partition coefficient                   |                                    |
| n-octanol/water (log KOW)               | This information is not available. |
| Auto-ignition temperature               | 230 °C                             |
| Viscosity                               | not determined                     |
| Explosive properties                    | none                               |
| Oxidising properties                    | none                               |

### 9.2 Other information

There is no additional information.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

#### • Acute toxicity of components of the mixture

| Name of substance              | CAS No     | Exposure route     | ATE         |
|--------------------------------|------------|--------------------|-------------|
| 2-butoxyethanol                | 111-76-2   | oral               | 1,414 mg/kg |
| 2-butoxyethanol                | 111-76-2   | dermal             | 1,100 mg/kg |
| 2-butoxyethanol                | 111-76-2   | inhalation: vapour | 11 mg/l/4h  |
| sodium dodecylbenzenesulfonate | 25155-30-0 | oral               | 500 mg/kg   |

| Name of substance              | CAS No     | Exposure route        | Endpoint | Value                     | Species    |
|--------------------------------|------------|-----------------------|----------|---------------------------|------------|
| 2-butoxyethanol                | 111-76-2   | oral                  | LD50     | 1,414 mg/kg               | guinea pig |
| 2-butoxyethanol                | 111-76-2   | dermal                | LD50     | >2,000 mg/kg              | rabbit     |
| sodium carbonate               | 497-19-8   | oral                  | LD50     | 2,800 mg/kg               | rat        |
| sodium carbonate               | 497-19-8   | dermal                | LD50     | >2,000 mg/kg              | rabbit     |
| sodium dodecylbenzenesulfonate | 25155-30-0 | inhalation: dust/mist | LC50     | 310 mg/m <sup>3</sup> /4h | rat        |
| edetic acid                    | 60-00-4    | oral                  | LD50     | 4,500 mg/kg               | rat        |

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitizer.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

Wassergefährdungsklasse, WGK (water hazard class) (WGK; Germany): 1 (slightly hazardous to water)

#### Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No   | Endpoint | Value      | Species               | Exposure time |
|-------------------|----------|----------|------------|-----------------------|---------------|
| 2-butoxyethanol   | 111-76-2 | LC50     | 1,474 mg/l | fish                  | 96 h          |
| 2-butoxyethanol   | 111-76-2 | EC50     | 1,550 mg/l | aquatic invertebrates | 48 h          |
| 2-butoxyethanol   | 111-76-2 | ErC50    | 1,840 mg/l | algae                 | 72 h          |
| sodium carbonate  | 497-19-8 | LC50     | 300 mg/l   | fish                  | 96 h          |

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| Name of substance              | CAS No     | Endpoint | Value    | Species               | Exposure time |
|--------------------------------|------------|----------|----------|-----------------------|---------------|
| sodium carbonate               | 497-19-8   | EC50     | 227 mg/l | aquatic invertebrates | 48 h          |
| sodium dodecylbenzenesulfonate | 25155-30-0 | LC50     | 3.2 mg/l | fish                  | 96 h          |
| sodium dodecylbenzenesulfonate | 25155-30-0 | EC50     | 6.3 mg/l | aquatic invertebrates | 48 h          |
| edetic acid                    | 60-00-4    | LC50     | 41 mg/l  | fish                  | 96 h          |

## Aquatic toxicity (chronic)

Aquatic toxicity (chronic) of components of the mixture

| Name of substance              | CAS No     | Endpoint | Value    | Species               | Exposure time |
|--------------------------------|------------|----------|----------|-----------------------|---------------|
| 2-butoxyethanol                | 111-76-2   | EC50     | 297 mg/l | aquatic invertebrates | 21 d          |
| sodium dodecylbenzenesulfonate | 25155-30-0 | LC50     | 6.4 mg/l | fish                  | 24 h          |
| sodium dodecylbenzenesulfonate | 25155-30-0 | EC50     | 12 mg/l  | aquatic invertebrates | 24 h          |
| edetic acid                    | 60-00-4    | EC50     | 625 mg/l | aquatic invertebrates | 24 h          |

## 12.2 Persistence and degradability

Degradability of components of the mixture

| Name of substance              | CAS No     | Process                   | Degradation rate | Time |
|--------------------------------|------------|---------------------------|------------------|------|
| 2-butoxyethanol                | 111-76-2   | carbon dioxide generation | 18.3 %           | 3 d  |
| sodium dodecylbenzenesulfonate | 25155-30-0 | carbon dioxide generation | 40.6 – 51.9 %    | 42 d |
| edetic acid                    | 60-00-4    | carbon dioxide generation | >0 – <20 %       | 20 d |

## 12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

| Name of substance              | CAS No     | BCF | Log KOW                   | BOD5/COD |
|--------------------------------|------------|-----|---------------------------|----------|
| 2-butoxyethanol                | 111-76-2   |     | 0.81 (pH value: 7, 25 °C) |          |
| sodium dodecylbenzenesulfonate | 25155-30-0 |     | 1.96 (pH value: 7, 25 °C) |          |
| edetic acid                    | 60-00-4    |     | -3.34 (25 °C)             |          |

## 12.4 Mobility in soil

Data are not available.

## 12.5 Results of PBT and vPvB assessment

Data are not available.

## 12.6 Other adverse effects

Data are not available.

**Endocrine disrupting potential**

None of the ingredients are listed.



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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

##### List of wastes

not assigned

##### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

- 14.1** UN number not subject to transport regulations
- 14.2** UN proper shipping name not relevant
- 14.3** Transport hazard class(es)  
Class 9 (miscellaneous dangerous substances and articles)
- 14.4** Packing group not assigned
- 14.5** Environmental hazards none (non-environmentally hazardous acc. to the dangerous goods regulations)
- 14.6** Special precautions for user  
Provisions for dangerous goods (ADR) should be complied within the premises.
- 14.7** Transport in bulk according to Annex II of MARPOL and the IBC Code  
The cargo is not intended to be carried in bulk.

#### Information for each of the UN Model Regulations

##### • Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Not subject to ADR. Not subject to RID.

##### European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number 9003  
Proper shipping name SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C AND NOT MORE THAN 100 °C  
Class 9  
Number of cones/blue lights 0

##### • International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

##### • International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

- Restrictions according to REACH, Annex XVII

| Name acc. to inventory   | CAS No | Restriction | No |
|--|--------|-------------|----|
| this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC |        | R3          | 3  |
| substances in tattoo inks and permanent make-up  |        | R75         | 75 |
| substances in tattoo inks and permanent make-up  |        | R75         | 75 |
| substances in tattoo inks and permanent make-up  |        | R75         | 75 |
| substances in tattoo inks and permanent make-up  |        | R75         | 75 |

#### Legend

- R3 1. Shall not be used in:  
- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,  
- tricks and jokes,

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## Legend

- games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
- 2. Articles not complying with paragraph 1 shall not be placed on the market.
- 3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
  - can be used as fuel in decorative oil lamps for supply to the general public, and
  - present an aspiration hazard and are labelled with H304.
- 4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
- 5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
  - (a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage";
  - (b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter fluid may lead to life threatening lung damage";
  - (c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.;

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R75

1. Shall not be placed on the market in mixtures for use for tattooing purposes, and mixtures containing any such substances shall not be used for tattooing purposes, after 4 January 2022 if the substance or substances in question is or are present in the following circumstances:

(a) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight;

(b) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as reproductive toxicant category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0,001 % by weight;

(c) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as skin sensitiser category 1, 1A or 1B, the substance is present in the mixture in a concentration equal to or greater than 0,001 % by weight;

(d) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2, or as serious eye damage category 1 or eye irritant category 2, the substance is present in the mixture in a concentration equal to or greater than:

(i) 0,1 % by weight, if the substance is used solely as a pH regulator;

(ii) 0,01 % by weight, in all other cases;

(e) in the case of a substance listed in Annex II to Regulation (EC) No 1223/2009 (\*1), the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight;

(f) in the case of a substance for which a condition of one or more of the following kinds is specified in column g (Product type, Body parts) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight:

(i) "Rinse-off products";

(ii) "Not to be used in products applied on mucous membranes";

(iii) "Not to be used in eye products";

(g) in the case of a substance for which a condition is specified in column h (Maximum concentration in ready for use preparation) or column i (Other) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration, or in some other way, that does not accord with the condition specified in that column;

(h) in the case of a substance listed in Appendix 13 to this Annex, the substance is present in the mixture in a concentration equal to or greater than the concentration limit specified for that substance in that Appendix.

2. For the purposes of this entry use of a mixture "for tattooing purposes" means injection or introduction of the mixture into a person's skin, mucous membrane or eyeball, by any process or procedure (including procedures commonly referred to as permanent make-up, cosmetic tattooing, micro-blading and micro-pigmentation), with the aim of making a mark or design on his or her body.

3. If a substance not listed in Appendix 13 falls within more than one of points (a) to (g) of paragraph 1, the strictest concentration limit laid down in the points in question shall apply to that substance. If a substance listed in Appendix 13 also falls within one or more of points (a) to (g) of paragraph 1, the concentration limit laid down in point (h) of paragraph 1 shall apply to that substance.

4. By way of derogation, paragraph 1 shall not apply to the following substances until 4 January 2023:

(a) Pigment Blue 15:3 (CI 74160, EC No 205-685-1, CAS No 147-14-8);

(b) Pigment Green 7 (CI 74260, EC No 215-524-7, CAS No 1328-53-6).

5. If Part 3 of Annex VI to Regulation (EC) No 1272/2008 is amended after 4 January 2021 to classify or re-classify a substance such that the substance then becomes caught by point (a), (b), (c) or (d) of paragraph 1 of this entry, or such that it then falls within a different one of those points from the one within which it fell previously, and the date of application of that new or revised classification is after the date referred to in paragraph 1 or, as the case may be, paragraph 4 of this entry, that amendment shall, for the purposes of applying this entry to that substance, be treated as taking effect on the date of application of that new or revised classification.

6. If Annex II or Annex IV to Regulation (EC) No 1223/2009 is amended after 4 January 2021 to list or change the listing of a substance such that the substance then becomes caught by point (e), (f) or (g) of paragraph 1 of this entry, or such that it then falls within a different one of those points from the one within which it fell previously, and the amendment takes effect after the date referred to in paragraph 1 or, as the case may be, paragraph 4 of this entry, that amendment shall, for the purposes of applying this entry to that substance, be treated as taking effect from the date falling 18 months after entry into force of the act by which that amendment was made.

7. Suppliers placing a mixture on the market for use for tattooing purposes shall ensure that, after 4 January 2022, the mixture is marked with the following information:

(a) the statement "Mixture for use in tattoos or permanent make-up";

(b) a reference number to uniquely identify the batch;

(c) the list of ingredients in accordance with the nomenclature established in the glossary of common ingredient names pursuant to Article 33 of Regulation (EC) No 1223/2009, or in the absence of a common ingredient name, the IUPAC name. In the absence of a common ingredient name or IUPAC name, the CAS and EC number. Ingredients shall be listed in descending order by weight or volume of the ingredients at the time of formulation. "Ingredient" means any substance added during the process of formulation and present in the mixture for use for tattooing purposes. Impurities shall not be regarded as ingredients. If the name of a substance, used as ingredient within the meaning of this entry, is already required to be stated on the label in accordance with Regulation (EC) No 1272/2008, that ingredient does not need to be marked in accordance with this Regulation;

(d) the additional statement "pH regulator" for substances falling under point (d)(i) of paragraph 1;

(e) the statement "Contains nickel. Can cause allergic reactions." if the mixture contains nickel below the concentration limit specified in Appendix 13;

(f) the statement "Contains chromium (VI). Can cause allergic reactions." if the mixture contains chromium (VI) below the concentration limit specified in Appendix 13;

(g) safety instructions for use insofar as they are not already required to be stated on the label by Regulation (EC) No 1272/2008.

The information shall be clearly visible, easily legible and marked in a way that is indelible.

The information shall be written in the official language(s) of the Member State(s) where the mixture is placed on the market, unless the Member State(s) concerned provide(s) otherwise.

Where necessary because of the size of the package, the information listed in the first subparagraph, except for point (a), shall be included instead in the instructions for use.

Before using a mixture for tattooing purposes, the person using the mixture shall provide the person undergoing the

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## Legend

procedure with the information marked on the package or included in the instructions for use pursuant to this paragraph.

8. Mixtures that do not contain the statement "Mixture for use in tattoos or permanent make-up" shall not be used for tattooing purposes.

9. This entry does not apply to substances that are gases at temperature of 20 °C and pressure of 101,3 kPa, or generate a vapour pressure of more than 300 kPa at temperature of 50 °C, with the exception of formaldehyde (CAS No 50-00-0, EC No 200-001-8).

10. This entry does not apply to the placing on the market of a mixture for use for tattooing purposes, or to the use of a mixture for tattooing purposes, when placed on the market exclusively as a medical device or an accessory to a medical device, within the meaning of Regulation (EU) 2017/745, or when used exclusively as a medical device or an accessory to a medical device, within the same meaning. Where the placing on the market or use may not be exclusively as a medical device or an accessory to a medical device, the requirements of Regulation (EU) 2017/745 and of this Regulation shall apply cumulatively.

- List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list  
none of the ingredients are listed
- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II  
none of the ingredients are listed
- Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)  
none of the ingredients are listed
- Water Framework Directive (WFD)

| Name of substance              | CAS No | Listed in | Remarks |
|--------------------------------|--------|-----------|---------|
| sodium dodecylbenzenesulfonate |        | A)        |         |
| sodium carbonate               |        | A)        |         |

## Legend

A) Indicative list of the main pollutants

- Explosives precursors which are subject to restrictions  
none of the ingredients are listed
- Regulation 648/2004/EC on detergents

| Labelling of contents  |                             |
|--|-----------------------------|
| Constituents   | Weight % content (or range) |
| anionic surfactants, non-ionic surfactants, EDTA and salts thereof | less than 5 %               |
| perfumes   |                             |

## National regulations (Germany)

- Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)

**Wassergefährdungsklasse, WGK (water hazard class)** 1 (slightly hazardous to water)

- Technical instructions on air quality control (Germany)

| Number | Group of substances | Class | Conc.        | Mass flow | Mass concentration   | Notation |
|--------|---------------------|-------|--------------|-----------|----------------------|----------|
| 5.2.5  | organic substances  |       | 5 - < 10 wt% | 0,5 kg/h  | 50 mg/m <sup>3</sup> | 3)       |

## Notation

3) a total mass flow of 0.50 kg/h or a total mass concentration of 50 mg/m<sup>3</sup>, each of which to be indicated as total carbon, shall not be exceeded (except organic particulate matter)

- Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)

Storage class (LGK): 12 (non-combustible liquids)

## National inventories

| Country | Inventory  | Status                         |
|---------|------------|--------------------------------|
| EU      | REACH Reg. | not all ingredients are listed |

## Legend

REACH Reg. REACH registered substances

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## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### 16.1 Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)   | Actual entry (text/value)   | Safety-relevant |
|---------|---|---|-----------------|
| 1.1     | Unique formula identifier (UFI):<br>A4D0-J04K-000K-32WK   |   | yes             |
| 1.1     |   | Unique formula identifier (UFI):<br>A4D0-J04K-000K-32WK   | yes             |
| 1.2     |   | Uses advised against:<br>do not use for products which come into contact with foodstuffs  | yes             |
| 1.3     | Details of the supplier of the safety data sheet:<br>NORDWEST Handel AG<br>Robert-Schuman-Straße 17<br>44263 Dortmund<br>Germany<br><br>Telephone: +49 (0)231 2222-3001<br>Telefax: +49 (0)231 2222-3099<br>e-mail: sdb@nordwest.com<br>Website: www.nordwest.com | Details of the supplier of the safety data sheet:<br>NORDWEST Handel AG<br>Robert-Schuman-Straße 17<br>44263 Dortmund<br>Germany<br><br>Telephone: +49 (0)231 2222-3001<br>Telefax: +49 (0)231 2222-3099<br>Website: www.nordwest.com | yes             |
| 1.3     | e-mail (competent person):<br>sdb@nordwest.com  |   | yes             |
| 1.3     |   | e-Mail (competent person):<br>sdb@nordwest.com  | yes             |
| 1.4     |   | Emergency telephone number:<br>change in the listing (table)  | yes             |
| 2.1     |   | Classification according to Regulation (EC) No 1272/2008 (CLP):<br>change in the listing (table)  | yes             |
| 2.1     |   | Remarks:<br>For full text of H-phrases: see SECTION 16.   | yes             |
| 2.2     |   | Pictograms:<br>change in the listing (table)  | yes             |
| 2.2     |   | Pictograms:<br>change in the listing (table)  | yes             |
| 2.2     |   | Precautionary statements:<br>change in the listing (table)  | yes             |
| 2.2     |   | Pictograms:<br>change in the listing (table)  | yes             |
| 2.2     |   | Pictograms:<br>change in the listing (table)  | yes             |
| 2.2     |   | Pictograms:<br>change in the listing (table)  | yes             |
| 2.2     |   | Pictograms:<br>change in the listing (table)  | yes             |
| 2.2     |   | Pictograms:<br>change in the listing (table)  | yes             |
| 2.3     |   | Results of PBT and vPvB assessment:<br>This mixture does not contain any substances that are assessed to be a PBT or a vPvB.  | yes             |
| 3.1     | Substances:<br>Not relevant (mixture)   |   | yes             |
| 3.2     |   | Description of the mixture:<br>change in the listing (table)  | yes             |

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|---------|---|---|-----------------|
| 3.2     |   | Description of the mixture:<br>change in the listing (table)  | yes             |
| 3.2     |   | Hazardous ingredients acc. to EU regulation:<br>change in the listing (table)   | yes             |
| 4.1     | Following skin contact:<br>Wash with plenty of soap and water.  | Following skin contact:<br>Wash with plenty of soap and water. Take off<br>contaminated clothing.   | yes             |
| 4.1     | Following ingestion:<br>Rinse mouth with water (only if the person is<br>conscious). Do NOT induce vomiting.  | Following ingestion:<br>Rinse mouth with water (only if the person is<br>conscious). Do NOT induce vomiting. In all<br>cases of doubt, or when symptoms persist, seek<br>medical advice.  | yes             |
| 7.2     |   | Managing of associated risks  | yes             |
| 7.2     |   | Incompatible substances or mixtures:<br>Observe hints for combined storage.   | yes             |
| 7.2     | Packaging compatibilities:<br>Keep only in original container.  |   | yes             |
| 7.2     | Storage class (LGK) TRGS 510:<br>LGK 12 (non-combustible liquids)   |   | yes             |
| 7.2     |   | Consideration of other advice:<br>Observe instructions for use. Keep out of reach<br>of children.   | yes             |
| 8.1     |   | National limit values   | yes             |
| 8.1     |   | Occupational exposure limit values (Workplace<br>Exposure Limits)   | yes             |
| 8.1     |   | Biological limit values   | yes             |
| 8.1     |   | Relevant DNELs/DMELs/PNECs and other<br>threshold levels  | yes             |
| 8.1     |   | • relevant DNELs of components of the mixture   | yes             |
| 8.1     |   | • relevant DNELs of components of the mixture:<br>change in the listing (table)   | yes             |
| 8.1     |   | • relevant PNECs of components of the mixture   | yes             |
| 8.1     |   | • relevant PNECs of components of the mixture:<br>change in the listing (table)   | yes             |
| 8.2     | Individual protection measures (personal pro-<br>tective equipment):<br>eye protection must be worn safety gloves must<br>be worn do not eat or drink<br>Personal protective<br>equipment shall be used when the risks cannot<br>be avoided or sufficiently limited by technical<br>means of collective protection or by measures,<br>methods or procedures of work organization. | Individual protection measures (personal pro-<br>tective equipment):<br>eye protection must be worn safety gloves must<br>be worn do not eat or drink   | yes             |
| 8.2     | Respiratory protection:<br>In case of inadequate ventilation wear respirat-<br>ory protection.  | Respiratory protection:<br>In case of inadequate ventilation wear respirat-<br>ory protection<br>Full face mask/half mask/quarter mask (EN<br>136/140)<br>P2 (filters at least 94 % of airborne particles,<br>colour code: White) | yes             |
| 8.2     | Environmental exposure controls:<br>Use appropriate container to avoid environ-<br>mental contamination. Keep away from drains,<br>surface and ground water.  | Environmental exposure controls:<br>Use appropriate container to avoid environ-<br>mental contamination.  | yes             |

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|---------|---|---|-----------------|
| 9.1     |   | Appearance  | yes             |
| 9.1     |   | Odour:<br>characteristic  | yes             |
| 9.1     |   | Other physical and chemical parameters  | yes             |
| 9.1     | Flammability:<br>non-combustible  | Flammability (solid, gas):<br>not relevant (fluid)                              | yes             |
| 9.1     | Density:<br>1.025 g/ml (calculated value)no data available  | Density:<br>1.025 g/ml (calculated value)                                       | yes             |
| 9.1     | Auto-ignition temperature:<br>230 °C (auto-ignition temperature (liquids and gases))                                  | Auto-ignition temperature:<br>230 °C  | yes             |
| 9.1     | Decomposition temperature:<br>not relevant  |   | yes             |
| 9.1     | pH (value):<br>not determined   |   | yes             |
| 9.1     | Kinematic viscosity:<br>not determined  |   | yes             |
| 9.1     | Density and/or relative density   |   | yes             |
| 9.1     |   | Viscosity:<br>not determined  | yes             |
| 9.1     |   | Explosive properties:<br>none   | yes             |
| 9.1     |   | Oxidising properties:<br>none   | yes             |
| 9.2     | Other information   | Other information:<br>There is no additional information.                       | yes             |
| 9.2     | Information with regard to physical hazard classes:<br>hazard classes acc. to GHS (physical hazards):<br>not relevant |   | yes             |
| 9.2     | Other safety characteristics  |   | yes             |
| 9.2     | Miscibility:<br>Completely miscible with water.   |   | yes             |
| 9.2     | Temperature class (EU, acc. to ATEX):<br>T3 (maximum permissible surface temperature on the equipment: 200°C)         |   | yes             |
| 9.2     | Odour:<br>characteristic  |   | yes             |
| 11.1    |   | • Acute toxicity of components of the mixture                                   | yes             |
| 11.1    |   | • Acute toxicity of components of the mixture:<br>change in the listing (table) | yes             |
| 11.1    | Germ cell mutagenicity:<br>Shall not be classified as germ cell mutagenic.  |   | yes             |
| 11.1    | Carcinogenicity:<br>Shall not be classified as carcinogenic.  |   | yes             |
| 11.1    | Reproductive toxicity:<br>Shall not be classified as a reproductive toxicant.   |   | yes             |



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| Section | Former entry (text/value)  | Actual entry (text/value)   | Safety-relevant |
|---------|--|---|-----------------|
| 11.1    | Specific target organ toxicity - single exposure:<br>Shall not be classified as a specific target organ toxicant (single exposure).  |   | yes             |
| 11.1    | Specific target organ toxicity - repeated exposure:<br>Shall not be classified as a specific target organ toxicant (repeated exposure).  |   | yes             |
| 11.1    |  | Summary of evaluation of the CMR properties:<br>Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.  | yes             |
| 11.1    |  | Specific target organ toxicity (STOT):<br>Shall not be classified as a specific target organ toxicant.  | yes             |
| 11.2    | Information on other hazards:<br>There is no additional information.   |   | yes             |
| 12.1    | Toxicity:<br>Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.<br>Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany) | Toxicity:<br>acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.<br>Wassergefährdungsklasse, WGK (water hazard class) (WGK; Germany): 1 (slightly hazardous to water)  | yes             |
| 12.1    |  | Aquatic toxicity (acute)  | yes             |
| 12.1    |  | Aquatic toxicity (acute) of components of the mixture   | yes             |
| 12.1    |  | Aquatic toxicity (acute) of components of the mixture:<br>change in the listing (table)   | yes             |
| 12.1    |  | Aquatic toxicity (chronic)  | yes             |
| 12.1    |  | Aquatic toxicity (chronic) of components of the mixture   | yes             |
| 12.1    |  | Aquatic toxicity (chronic) of components of the mixture:<br>change in the listing (table)   | yes             |
| 12.2    | Persistence and degradability:<br>Data are not available.  | Persistence and degradability   | yes             |
| 12.2    |  | Degradability of components of the mixture  | yes             |
| 12.2    |  | Degradability of components of the mixture:<br>change in the listing (table)  | yes             |
| 12.3    |  | Bioaccumulative potential of components of the mixture  | yes             |
| 12.3    |  | Bioaccumulative potential of components of the mixture:<br>change in the listing (table)  | yes             |
| 13.1    | Waste treatment of containers/packagings:<br>Completely emptied packages can be recycled.<br>Handle contaminated packages in the same way as the substance itself.   | Waste treatment of containers/packagings:<br>It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used.<br>Completely emptied packages can be recycled.<br>Handle contaminated packages in the same way as the substance itself. | yes             |
| 13.1    | List of wastes, (Recommendations)  | List of wastes:<br>not assigned   | yes             |



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| Section | Former entry (text/value)  | Actual entry (text/value)  | Safety-relevant |
|---------|--|--|-----------------|
| 13.1    | Product:<br>20 01 29* Detergents containing hazardous substances   |  | yes             |
| 13.1    | Product residues:<br>15 01 10* Packaging containing residues of or contaminated by hazardous substances              |  | yes             |
| 13.1    | Packagings:<br>15 01 02 Plastic packaging  |  | yes             |
| 14.1    | UN number or ID number   | UN number:<br>not subject to transport regulations   | yes             |
| 14.1    | ADN:<br>UN 9003  |  | yes             |
| 14.2    | UN proper shipping name  | UN proper shipping name:<br>not relevant   | yes             |
| 14.2    | ADN:<br>SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C<br>AND NOT MORE THAN 100 °C  |  | yes             |
| 14.3    | ADN:<br>9  |  | yes             |
| 14.3    |  | Class:<br>9 (miscellaneous dangerous substances and articles)  | yes             |
| 14.5    | Environmental hazards:<br>non-environmentally hazardous acc. to the dangerous goods regulations                      | Environmental hazards:<br>none (non-environmentally hazardous acc. to the dangerous goods regulations)                     | yes             |
| 14.6    | Special precautions for user:<br>There is no additional information.   | Special precautions for user:<br>Provisions for dangerous goods (ADR) should be complied within the premises.              | yes             |
| 14.7    | Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) Additional information:<br>not assigned | • Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN):<br>Not subject to ADR. Not subject to RID. | yes             |
| 14.7    |  | UN number:<br>9003   | yes             |
| 14.7    |  | Proper shipping name:<br>SUBSTANCES WITH A FLASH-POINT ABOVE 60 °C<br>AND NOT MORE THAN 100 °C                             | yes             |
| 14.7    |  | Class:<br>9  | yes             |
| 15.1    |  | • Restrictions according to REACH, Annex XVII  | yes             |
| 15.1    |  | • Restrictions according to REACH, Annex XVII:<br>change in the listing (table)  | yes             |
| 15.1    |  | • Water Framework Directive (WFD):<br>change in the listing (table)  | yes             |
| 15.1    | Regulation 648/2004/EC on detergents   |  | yes             |
| 15.1    |  | Labelling of contents:<br>change in the listing (table)  | yes             |
| 15.1    |  | Regulation 648/2004/EC on detergents   | yes             |
| 15.1    |  | Labelling of contents:<br>change in the listing (table)  | yes             |
| 15.1    | National inventories   |  | yes             |

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

4000 355700 (1000 ml) - 4000 355701 (5 Ltr.) - 4000 355702 (10 Ltr.) - PROMAT CHEMICALS

ALLZWECKREINIGER CITRO

Version number: GHS 4.0

Replaces version of: 2021-03-30 (GHS 3)



Date of compilation: 2021-11-30

| Section | Former entry (text/value)   | Actual entry (text/value)   | Safety-relevant |
|---------|---|---|-----------------|
| 15.1    |   | National inventories:<br>change in the listing (table)  | yes             |
| 15.1    |   | • Storage of hazardous substances in non-stationary containers (TRGS 510) (Germany)   | yes             |
| 15.1    |   | Storage class (LGK):<br>12 (non-combustible liquids)  | yes             |
| 15.1    |   | National inventories  | yes             |
| 15.1    |   | National inventories:<br>change in the listing (table)  | yes             |
| 16      |   | Abbreviations and acronyms:<br>change in the listing (table)  | yes             |
| 16      | Key literature references and sources for data:<br>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU. Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA). | Key literature references and sources for data:<br>- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU<br>- Regulation (EC) No. 1272/2008 (CLP, EU GHS) | yes             |

## Abbreviations and acronyms

|                  |  |
|------------------|--|
| 2000/39/EC.      | Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC.   |
| Acute Tox.       | Acute toxicity.  |
| ADN.             | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways). |
| ADR.             | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road).   |
| AGW.             | Workplace exposure limit.  |
| Aquatic Chronic. | Hazardous to the aquatic environment - chronic hazard.   |
| ATE.             | Acute Toxicity Estimate.   |
| BCF.             | Bioconcentration factor.   |
| BOD.             | Biochemical Oxygen Demand.   |
| CAS.             | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).  |
| Ceiling-C.       | Ceiling value.   |
| CLP.             | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  |
| CMR.             | Carcinogenic, Mutagenic or toxic for Reproduction.   |
| COD.             | Chemical oxygen demand.  |
| DFG.             | Deutsche Forschungsgemeinschaft MAK- und BAT-Werte-Liste, Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Wiley-VCH, Weinheim.  |
| DGR.             | Dangerous Goods Regulations (see IATA/DGR).  |
| DMEL.            | Derived Minimal Effect Level.  |
| DNEL.            | Derived No-Effect Level.   |
| EC50.            | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.                                      |
| EC No.           | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).                                     |
| EINECS.          | European Inventory of Existing Commercial Chemical Substances.   |
| ELINCS.          | European List of Notified Chemical Substances.   |
| ErC50.           | = EC50; in this method, that concentration of test substance which results in a 50 % reduction in either growth (Ebc50) or growth rate (ErC50) relative to the control.  |
| Eye Dam.         | Seriously damaging to the eye.   |
| Eye Irrit.       | Irritant to the eye.   |
| GHS.             | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations.   |
| IATA.            | International Air Transport Association.   |
| IATA/DGR.        | Dangerous Goods Regulations (DGR) for the air transport (IATA).  |
| ICAO.            | International Civil Aviation Organization.   |
| IMDG.            | International Maritime Dangerous Goods Code.   |
| IOELV.           | Indicative occupational exposure limit value.  |
| LC50.            | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.   |
| LD50.            | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.  |
| LGK.             | Lagerklasse (storage class according to TRGS 510, Germany).  |
| Log KOW.         | n-Octanol/water.   |
| MARPOL.          | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").   |
| NLP.             | No-Longer Polymer.   |
| PBT.             | Persistent, Bioaccumulative and Toxic.   |
| PNEC.            | Predicted No-Effect Concentration.   |
| Ppm.             | Parts per million.   |
| REACH.           | Registration, Evaluation, Authorisation and Restriction of Chemicals.  |
| RID.             | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail).   |
| Skin Corr.       | Corrosive to skin.   |
| Skin Irrit.      | Irritant to skin.  |
| STEL.            | Short-term exposure limit.   |
| STOT SE.         | Specific target organ toxicity - single exposure.  |
| SVHC.            | Substance of Very High Concern.  |
| TRGS.            | Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany).  |
| TRGS 900.        | Arbeitsplatzgrenzwerte (TRGS 900).   |
| TRGS 903.        | Biologische Grenzwerte (TRGS 903).   |
| TWA.             | Time-weighted average.   |
| VPvB.            | Very Persistent and very Bioaccumulative.  |

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

4000 355700 (1000 ml) - 4000 355701 (5 Ltr.) - 4000 355702 (10 Ltr.) - PROMAT CHEMICALS

ALLZWECKREINIGER CITRO



Version number: GHS 4.0  
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## Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

## Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## List of relevant phrases (code and full text as stated in section 2 and 3)

|       |  |
|-------|--|
| H302. | Harmful if swallowed.                              |
| H312. | Harmful in contact with skin.                      |
| H315. | Causes skin irritation.                            |
| H318. | Causes serious eye damage.                         |
| H319. | Causes serious eye irritation.                     |
| H332. | Harmful if inhaled.                                |
| H335. | May cause respiratory irritation.                  |
| H412. | Harmful to aquatic life with long lasting effects. |

## Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.