

**Trade name:** Felgenreiniger CL**Product no.:** 247999**Current version :** 2.0.0, issued: 16.11.2020**Replaced version:** 1.0.0, issued: 04.09.2020**Region:** IE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**Felgenreiniger CL****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Cleaner

**Uses advised against**

No data available.

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

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

+353 1 809 2166 (National Poisons Information Centre)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Acute Tox. 4; H302

Eye Dam. 1; H318

Met. Corr. 1; H290

Skin Corr. 1; H314

**Classification information**

Product is classified as "Corrosive" based on the extreme pH-value, see:

- Regulation 1272/2008 (CLP), Annex. I, number 3.2.2.2 / 3.2.3.1.2

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS05



GHS07

**Signal word**

Danger

**Hazardous component(s) to be indicated on label:**

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2-propylheptane-1-ol, ethoxylated  
hydrochloric acid**Hazard statement(s)**H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.**Precautionary statement(s)**P260 Do not breathe vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P310 Immediately call a POISON CENTER/doctor.  
P390 Absorb spillage to prevent material damage.**2.3 Other hazards**

PBT assessment

According to the information provided in the supply chain, the mixture does not contain &gt; 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain &gt; 0.1% of a substance that is considered to be vPvB.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

| No | Substance name   |   | Additional information            |     |
|----|--|---|-----------------------------------|-----|
|    | CAS / EC / Index / REACH no                                | Classification (EC) 1272/2008 (CLP)   | Concentration                     | %   |
| 1  | <b>phosphoric acid</b>                                     |   |                                   |     |
|    | 7664-38-2<br>231-633-2<br>015-011-00-6<br>01-2119485924-24 | Met. Corr. 1; H290<br>Skin Corr. 1B; H314<br>Acute Tox. 4; H302<br>Eye Dam. 1; H318 | >= 10,00 - < 25,00                | wt% |
| 2  | <b>2-propylheptane-1-ol, ethoxylated</b>                   |   |                                   |     |
|    | 160875-66-1<br>-<br>-<br>-                                 | Eye Dam. 1; H318<br>Acute Tox. 4; H302  | >= 10,00 - < 25,00                | wt% |
| 3  | <b>hydrochloric acid</b>                                   |   | <b>pls. refer to footnote (2)</b> |     |
|    | 7647-01-0<br>231-595-7<br>017-002-01-X<br>01-2119484862-27 | Met. Corr. 1; H290<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>STOT SE 3; H335    | >= 5,00 - < 10,00                 | wt% |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No

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1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

| No | Note | Specific concentration limits   | M-factor (acute) | M-factor (chronic) |
|----|------|---|------------------|--------------------|
| 1  | B    | Skin Irrit. 2; H315: C >= 10%<br>Eye Irrit. 2; H319: C >= 10%<br>Skin Corr. 1B; H314: C >= 25%  | -                | -                  |
| 3  | B    | Met. Corr. 1; H290: C >= 0,1%<br>Skin Irrit. 2; H315: C >= 1%<br>Eye Dam. 1; H318: C >= 1%<br>STOT SE 3; H335: C >= 10%<br>Skin Corr. 1B; H314: C >= 10%<br>Skin Corr. 1A; H314: C >= 25% | -                | -                  |

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation. In case of persisting adverse effects consult a physician.

#### After skin contact

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

#### After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

#### Unsuitable extinguishing media

High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Phosphorus oxides; Hydrogen chloride (HCl); Corrosive gases/vapours

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit.

## SECTION 6: Accidental release measures

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Refer to protective measures listed in sections 7 and 8. Use personal protective clothing.

**For emergency responders**

Personal protective equipment (PPE) - see section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dilute with plenty of water.

**6.4 Reference to other sections**

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

**Incompatible products**

Substances to be avoided, see section 10.

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

| No | Substance name   | CAS no.   | EC no.            |
|----|--|-----------|-------------------|
| 1  | phosphoric acid  | 7664-38-2 | 231-633-2         |
|    | 2000/39/EC   |           |                   |
|    | Orthophosphoric acid   |           |                   |
|    | WEL short-term (15 min reference period)   | 2         | mg/m <sup>3</sup> |
|    | WEL long-term (8-hr TWA reference period)  | 1         | mg/m <sup>3</sup> |
|    | <b>List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice)</b> |           |                   |
|    | Orthophosphoric acid   |           |                   |
|    | WEL short-term (15 min reference period)   | 2         | mg/m <sup>3</sup> |

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|          |  |                  |                   |        |
|----------|--|------------------|-------------------|--------|
|          | WEL long-term (8-hr TWA reference period)  | 1                | mg/m <sup>3</sup> |        |
|          | Comments   | IOELV            |                   |        |
| <b>2</b> | <b>hydrochloric acid</b>   | <b>7647-01-0</b> | <b>231-595-7</b>  |        |
|          | <b>2000/39/EC</b>  |                  |                   |        |
|          | Hydrogen chloride  |                  |                   |        |
|          | WEL short-term (15 min reference period)   | 15               | mg/m <sup>3</sup> | 10 ppm |
|          | WEL long-term (8-hr TWA reference period)  | 8                | mg/m <sup>3</sup> | 5 ppm  |
|          | <b>List of Chemical Agents and Occupational Exposure Limit Values (Code of Practice)</b> |                  |                   |        |
|          | Hydrogen chloride  |                  |                   |        |
|          | WEL short-term (15 min reference period)   | 15               | mg/m <sup>3</sup> | 10 ppm |
|          | WEL long-term (8-hr TWA reference period)  | 8                | mg/m <sup>3</sup> | 5 ppm  |
|          | Comments   | IOELV            |                   |        |

**DNEL, DMEL and PNEC values****DNEL values (worker)**

| No | Substance name    |                     |          | CAS / EC no                          |
|----|-------------------|---------------------|----------|--------------------------------------|
|    | Route of exposure | Exposure time       | Effect   | Value                                |
| 1  | phosphoric acid   |                     |          | <b>7664-38-2</b><br><b>231-633-2</b> |
|    | inhalative        | Long term (chronic) | local    | 1 mg/m <sup>3</sup>                  |
|    | inhalative        | Short term (acute)  | local    | 2 mg/m <sup>3</sup>                  |
|    | inhalative        | Long term (chronic) | systemic | 10,7 mg/m <sup>3</sup>               |
| 2  | hydrochloric acid |                     |          | <b>7647-01-0</b><br><b>231-595-7</b> |
|    | inhalative        | Short term (acute)  | local    | 15 mg/m <sup>3</sup>                 |
|    | inhalative        | Long term (chronic) | local    | 8 mg/m <sup>3</sup>                  |

**DNEL value (consumer)**

| No | Substance name    |                     |          | CAS / EC no                          |
|----|-------------------|---------------------|----------|--------------------------------------|
|    | Route of exposure | Exposure time       | Effect   | Value                                |
| 1  | phosphoric acid   |                     |          | <b>7664-38-2</b><br><b>231-633-2</b> |
|    | oral              | Long term (chronic) | systemic | 0,1 mg/kg/day                        |
|    | inhalative        | Long term (chronic) | local    | 0,36 mg/m <sup>3</sup>               |
|    | inhalative        | Long term (chronic) | systemic | 4,57 mg/m <sup>3</sup>               |

**PNEC values**

| No | Substance name         |                   | CAS / EC no                          |
|----|------------------------|-------------------|--------------------------------------|
|    | ecological compartment | Type              | Value                                |
| 1  | hydrochloric acid      |                   | <b>7647-01-0</b><br><b>231-595-7</b> |
|    | water                  | fresh water       | 0,036 mg/L                           |
|    | water                  | marine water      | 0,036 mg/L                           |
|    | water                  | Aqua intermittent | 0,045 mg/L                           |
|    | sewage treatment plant | -                 | 0,036 mg/L                           |

**8.2 Exposure controls****Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

**Personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respiratory protection mask with combination filter.

Respirator

A B E P2

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Tightly fitting safety glasses (EN 166).

**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

|                      |              |     |     |
|----------------------|--------------|-----|-----|
| Appropriate Material | butyl rubber |     |     |
| Material thickness   | >            | 0,5 | mm  |
| Breakthrough time    | >            | 120 | min |

**Other**

Chemical-resistant work clothes.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|  |   |
|--|---|
| <b>Form/Colour</b>                               |   |
| liquid   |   |
| red  |   |
| <b>Odour</b>                                     |   |
| of lemon   |   |
| <b>Odour threshold</b>                           |   |
| No data available                                |   |
| <b>pH value</b>                                  |   |
| Value  | 0 |
| <b>Boiling point / boiling range</b>             |   |
| No data available                                |   |
| <b>Melting point / melting range</b>             |   |
| No data available                                |   |
| <b>Decomposition point / decomposition range</b> |   |
| No data available                                |   |
| <b>Flash point</b>                               |   |
| No data available                                |   |
| <b>Auto-ignition temperature</b>                 |   |
| No data available                                |   |
| <b>Oxidising properties</b>                      |   |
| not oxidizing                                    |   |
| <b>Explosive properties</b>                      |   |
| Product does not present an explosion hazard.    |   |
| <b>Flammability (solid, gas)</b>                 |   |
| No data available                                |   |
| <b>Lower flammability or explosive limits</b>    |   |
| No data available                                |   |
| <b>Upper flammability or explosive limits</b>    |   |
| No data available                                |   |

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|   |                        |
|---|------------------------|
| <b>Vapour pressure</b>                        |                        |
| No data available                             |                        |
| <b>Vapour density</b>                         |                        |
| No data available                             |                        |
| <b>Evaporation rate</b>                       |                        |
| No data available                             |                        |
| <b>Relative density</b>                       |                        |
| No data available                             |                        |
| <b>Density</b>                                |                        |
| Value   | 1,18 g/cm <sup>3</sup> |
| Reference temperature                         | 20 °C                  |
| <b>Solubility in water</b>                    |                        |
| Comments                                      | miscible               |
| <b>Solubility(ies)</b>                        |                        |
| No data available                             |                        |
| <b>Partition coefficient: n-octanol/water</b> |                        |
| No data available                             |                        |
| <b>Viscosity</b>                              |                        |
| No data available                             |                        |

**9.2 Other information**

|                          |  |
|--------------------------|--|
| <b>Other information</b> |  |
| No data available.       |  |

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

Formation of hydrogen gas possible on contact with certain metals (f.e. aluminium)

**10.4 Conditions to avoid**

None, if handled according to intended use.

**10.5 Incompatible materials**

strong bases; strong oxidizing agents

**10.6 Hazardous decomposition products**

None, if handled according to intended use.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

|  |   |
|--|---|
| <b>Acute oral toxicity (result of the ATE calculation for the mixture)</b> |   |
| <b>No</b>  | <b>Product Name</b>   |
| 1  | Felgenreiniger CL   |
| ATE (Mixture)  | 1329,43 mg/kg   |
| Method   | Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6. |

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| Acute oral toxicity |                 |            |                  |
|---------------------|-----------------|------------|------------------|
| No                  | Substance name  | CAS no.    | EC no.           |
| 1                   | phosphoric acid | 7664-38-2  | 231-633-2        |
| LD50                |                 | 300 - 2000 | mg/kg bodyweight |
| Species             | rat             |            |                  |
| Method              | OECD 423        |            |                  |
| Source              | ECHA            |            |                  |

| Acute dermal toxicity |  |  |  |
|-----------------------|--|--|--|
| No data available     |  |  |  |

| Acute inhalational toxicity |  |  |  |
|-----------------------------|--|--|--|
| No data available           |  |  |  |

| Skin corrosion/irritation |  |  |  |
|---------------------------|--|--|--|
| No data available         |  |  |  |

| Serious eye damage/irritation |                                 |           |           |
|-------------------------------|---------------------------------|-----------|-----------|
| No                            | Substance name                  | CAS no.   | EC no.    |
| 1                             | phosphoric acid                 | 7664-38-2 | 231-633-2 |
| Species                       | rabbit                          |           |           |
| Source                        | ECHA                            |           |           |
| Evaluation                    | strongly corrosive              |           |           |
| 2                             | hydrochloric acid               | 7647-01-0 | 231-595-7 |
| Species with reference to     | rabbit                          |           |           |
| Method                        | 10% HCl                         |           |           |
| Source                        | OECD 405                        |           |           |
| Evaluation                    | ECHA                            |           |           |
|                               | Irreversible effects on the eye |           |           |

| Respiratory or skin sensitisation |                   |           |           |
|-----------------------------------|-------------------|-----------|-----------|
| No                                | Substance name    | CAS no.   | EC no.    |
| 1                                 | hydrochloric acid | 7647-01-0 | 231-595-7 |
| Route of exposure                 | Skin              |           |           |
| Species with reference to         | guinea pig        |           |           |
| Method                            | 98% HCl           |           |           |
| Source                            | OECD 406          |           |           |
| Evaluation                        | ECHA              |           |           |
|                                   | non-sensitizing   |           |           |

| Germ cell mutagenicity    |   |           |           |
|---------------------------|---|-----------|-----------|
| No                        | Substance name  | CAS no.   | EC no.    |
| 1                         | phosphoric acid   | 7664-38-2 | 231-633-2 |
| Source                    | ECHA  |           |           |
| Evaluation/classification | Based on available data, the classification criteria are not met. |           |           |
| 2                         | hydrochloric acid   | 7647-01-0 | 231-595-7 |
| Source                    | ECHA  |           |           |
| Evaluation/classification | Based on available data, the classification criteria are not met. |           |           |

| Reproduction toxicity     |   |           |           |
|---------------------------|---|-----------|-----------|
| No                        | Substance name  | CAS no.   | EC no.    |
| 1                         | phosphoric acid   | 7664-38-2 | 231-633-2 |
| Source                    | ECHA  |           |           |
| Evaluation/classification | Based on available data, the classification criteria are not met. |           |           |

| Carcinogenicity   |                   |           |           |
|-------------------|-------------------|-----------|-----------|
| No                | Substance name    | CAS no.   | EC no.    |
| 1                 | hydrochloric acid | 7647-01-0 | 231-595-7 |
| Route of exposure | inhalational      |           |           |
| Species           | rat               |           |           |
| Method            | OECD 451          |           |           |



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|                           |   |
|---------------------------|---|
| Source                    | ECHA  |
| Evaluation/classification | Based on available data, the classification criteria are not met. |

|                               |
|-------------------------------|
| <b>STOT - single exposure</b> |
| No data available             |

|                                 |
|---------------------------------|
| <b>STOT - repeated exposure</b> |
| No data available               |

|                          |
|--------------------------|
| <b>Aspiration hazard</b> |
| No data available        |

**SECTION 12: Ecological information****12.1 Toxicity**

| <b>Toxicity to fish (acute)</b> |                     |            |           |
|---------------------------------|---------------------|------------|-----------|
| No                              | Substance name      | CAS no.    | EC no.    |
| 1                               | hydrochloric acid   | 7647-01-0  | 231-595-7 |
| LC50                            |                     | 3,25 - 3,5 | mg/l      |
| Duration of exposure            |                     | 96         | h         |
| Species                         | Lepomis macrochirus |            |           |
| with reference to               | 100% HCl            |            |           |
| Source                          | ECHA                |            |           |

|                                   |
|-----------------------------------|
| <b>Toxicity to fish (chronic)</b> |
| No data available                 |

| <b>Toxicity to Daphnia (acute)</b> |                   |           |           |
|------------------------------------|-------------------|-----------|-----------|
| No                                 | Substance name    | CAS no.   | EC no.    |
| 1                                  | phosphoric acid   | 7664-38-2 | 231-633-2 |
| EC50                               |                   | > 100     | mg/l      |
| Duration of exposure               |                   | 48        | h         |
| Species                            | Daphnia magna     |           |           |
| Method                             | OECD 202          |           |           |
| Source                             | ECHA              |           |           |
| 2                                  | hydrochloric acid | 7647-01-0 | 231-595-7 |
| EC50                               |                   | 4,92      | mg/l      |
| Duration of exposure               |                   | 48        | h         |
| Species                            | Daphnia magna     |           |           |
| with reference to                  | 36% HCl           |           |           |
| Method                             | OECD 202          |           |           |
| Source                             | ECHA              |           |           |

|                                      |
|--------------------------------------|
| <b>Toxicity to Daphnia (chronic)</b> |
| No data available                    |

| <b>Toxicity to algae (acute)</b> |                         |           |           |
|----------------------------------|-------------------------|-----------|-----------|
| No                               | Substance name          | CAS no.   | EC no.    |
| 1                                | phosphoric acid         | 7664-38-2 | 231-633-2 |
| EC50                             |                         | > 100     | mg/l      |
| Duration of exposure             |                         | 72        | h         |
| Species                          | Desmodesmus subspicatus |           |           |
| Method                           | OECD 201                |           |           |
| Source                           | ECHA                    |           |           |
| 2                                | hydrochloric acid       | 7647-01-0 | 231-595-7 |
| EC50                             |                         | 4,7       | mg/l      |
| Duration of exposure             |                         | 72        | h         |
| Species                          | Chlorella vulgaris      |           |           |
| with reference to                | 36% HCl                 |           |           |
| Method                           | OECD 201                |           |           |

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| Source                             | ECHA              |           |           |
|------------------------------------|-------------------|-----------|-----------|
| <b>Toxicity to algae (chronic)</b> |                   |           |           |
| No data available                  |                   |           |           |
| <b>Bacteria toxicity</b>           |                   |           |           |
| No                                 | Substance name    | CAS no.   | EC no.    |
| 1                                  | phosphoric acid   | 7664-38-2 | 231-633-2 |
| EC50                               | >                 | 1000      | mg/l      |
| Duration of exposure               |                   | 3         | h         |
| Species                            | activated sludge  |           |           |
| Method                             | OECD 209          |           |           |
| Source                             | ECHA              |           |           |
| 2                                  | hydrochloric acid | 7647-01-0 | 231-595-7 |
| EC50                               | 5                 | - 5,5     | mg/l      |
| Duration of exposure               |                   | 3         | h         |
| Species                            | activated sludge  |           |           |
| with reference to                  | 36% HCl           |           |           |
| Method                             | OECD 209          |           |           |
| Source                             | ECHA              |           |           |

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

| Results of PBT and vPvB assessment |  |
|------------------------------------|--|
| PBT assessment                     | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.  |
| vPvB assessment                    | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB. |

**12.6 Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information**

**Trade name:** Felgenreiniger CL**Product no.:** 247999**Current version :** 2.0.0, issued: 16.11.2020**Replaced version:** 1.0.0, issued: 04.09.2020**Region:** IE**14.1 Transport ADR/RID/ADN**

|                           |   |
|---------------------------|---|
| Class                     | 8   |
| Classification code       | C1  |
| Packing group             | III   |
| Hazard identification no. | 80  |
| UN number                 | UN3264                                      |
| Proper shipping name      | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. |
| Technical name            | phosphoric acid<br>hydrochloric acid        |
| Tunnel restriction code   | E   |
| Label                     | 8   |

**14.2 Transport IMDG**

|                      |   |
|----------------------|---|
| Class                | 8   |
| Packing group        | III   |
| UN number            | UN3264                                      |
| Proper shipping name | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. |
| Technical name       | phosphoric acid<br>hydrochloric acid        |
| EmS                  | F-A, S-B                                    |
| Label                | 8   |

**14.3 Transport ICAO-TI / IATA**

|                      |   |
|----------------------|---|
| Class                | 8   |
| Packing group        | III   |
| UN number            | UN3264                                      |
| Proper shipping name | Corrosive liquid, acidic, inorganic, n.o.s. |
| Technical name       | phosphoric acid<br>hydrochloric acid        |
| Label                | 8   |

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

**Trade name:** Felgenreiniger CL**Product no.:** 247999**Current version :** 2.0.0, issued: 16.11.2020**Replaced version:** 1.0.0, issued: 04.09.2020**Region:** IE

|  |      |
|--|------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. | No 3 |
|--|------|

|   |
|---|
| <b>Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances</b> |
| This product is not subject to Part 1 or 2 of Annex I.  |

|  |
|--|
| <b>Other regulations</b>   |
| Adhere to the national sanitary and occupational safety regulations when using this product.<br>Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.<br>The surfactants contained in this product comply with the DetVO 648/2004/EC. |

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

**Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)**

B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

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