

**Safety Data Sheet**  
according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**1 Identification**

- **Other means of identification**
- **Trade name:** PressurePro Descaling Acid RM 101
- **Relevant identified uses of the substance or mixture and uses advised against**  
Restricted to professional users.
- **Application of the substance / the mixture** Descalant
- **Uses advised against** –

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

**Alfred Kärcher SE & Co. KG**  
Alfred-Kärcher-Str. 28-40  
D - 71364 Winnenden  
Tel.: +49-7195-14-0

**Kärcher Pty. Ltd.**  
385 Ferntree Gully Rd  
Mount Waverley, Victoria 3149  
Victoria  
Ph.: +61-3-9765-2300

Internet: [www.karcher.com](http://www.karcher.com)

- **Distributor:**  
Kärcher Pty. Ltd.  
385 Ferntree Gully Rd  
Mount Waverley, Victoria 3149  
Victoria  
Ph.: +61-3-9765-2300  
[www.karcher.com.au](http://www.karcher.com.au)
- **Email competent person:** [productsafety.management@de.kaercher.com](mailto:productsafety.management@de.kaercher.com)

- **Further information obtainable from:**

Regulatory Affairs  
Tel.: +49-7195-14-0  
[productsafety.management.de@karcher.com](mailto:productsafety.management.de@karcher.com)

- **Emergency telephone number:**

For Hazardous Materials [or Dangerous Goods] Incidents  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

**2 Hazard(s) Identification**

- **Classification of the substance or mixture**

Corrosive to metals – Category 1

Acute toxicity - inhalation – Category 4

H290 May be corrosive to metals.

H332 Harmful if inhaled.

(Contd. on page 2)

## Safety Data Sheet according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 1)

Skin corrosion/irritation – Category 1B

H314 Causes severe skin burns and eye damage.

Eye damage/irritation – Category 1

H318 Causes serious eye damage.

Specific target organ toxicity (single exposure) – Category 3 H335 May cause respiratory irritation.

### Label elements

**GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

### Hazard pictograms

Corrosion



GHS05 GHS07

### Signal word Danger

### Hazard-determining components of labelling:

hydrochloric acid (≥20-&lt;25 %)

### Hazard statements

H290 May be corrosive to metals.

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## 3 Composition and Information on Ingredients

### Chemical characterisation: Mixtures

**Description:** Mixture consisting of the following components.

### Dangerous components:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|
| 7647-01-0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | hydrochloric acid | ≥20-<25% |
| <div><div></div><div></div></div> Acute toxicity - inhalation – Category 3, H331; <div></div> Corrosive to metals – Category 1, H290; Skin corrosion/irritation – Category 1A, H314; Eye damage/irritation – Category 1, H318; <div></div> Specific target organ toxicity (single exposure) – Category 3, H335<br>Specific concentration limits: Skin corrosion/irritation – Category 1A; H314: C ≥ 25 %<br>Skin corrosion/irritation – Category 1B; H314: 10 % ≤ C < 25 %<br>Eye damage/irritation – Category 1; H318: C ≥ 1 %<br>Specific target organ toxicity (single exposure) – Category 3; H335: C ≥ 10 % |                   |          |

(Contd. on page 3)

**Safety Data Sheet**  
according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 2)

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

**4 First Aid Measures**

- **General information**

Involve doctor immediately.

Immediately remove any clothing soiled by the product.

- **After inhalation**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

- **After skin contact**

Call a doctor immediately.

Immediately wash with water and soap and rinse thoroughly.

- **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing**

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

- **Information for doctor**

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Fire Fighting Measures**

- **Suitable extinguishing agents**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture** Hydrogen chloride (HCl)

- **Advice for firefighters**

- **Hazchem Code:** 2R

- **Protective equipment:** No special measures required.

- **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

**6 Accidental Release Measures**

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:**

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

Inform respective authorities in case of seepage into water course or sewage system.

(Contd. on page 4)

## Safety Data Sheet according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 3)

Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.  
Do not allow to penetrate the ground/soil.

### · **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Use neutralising agent.  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.

### · **Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and Storage

### · **Handling**

#### · **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Avoid contact with eyes and skin.

#### · **Information about fire - and explosion protection:** No special measures required.

### · **Storage**

#### · **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

#### · **Information about storage in one common storage facility:** Keep away from food, beverages and feed.

#### · **Further information about storage conditions:**

Store under lock and key and out of the reach of children.  
Keep receptacle tightly sealed.

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

## 8 Exposure controls and personal protection

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

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

##### **7647-01-0 hydrochloric acid**

WES | Peak limitation: 7.5 mg/m<sup>3</sup>, 5 ppm

### · **DNELs**

##### **308062-28-4 dodecyldimethylamine oxide**

Dermal | DNEL | 11 mg/kg×d (employee)

Inhalative | DNEL | 15.5 mg/m<sup>3</sup> (Employee)

### · **PNECs**

##### **308062-28-4 dodecyldimethylamine oxide**

PNEC | 24 mg/l (STP) (Assessment factor: 1)

(Contd. on page 5)

## Safety Data Sheet according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 4)

|               |                                                   |
|---------------|---------------------------------------------------|
| PNEC sediment | 5.24 mg/kg (freshwater) (sediment dw)             |
|               | 0.524 mg/kg (marine water) (sediment dw)          |
| PNEC soil     | 1.02 mg/kg                                        |
| PNEC aqua     | 0.034 mg/l (freshwater) (Assessment factor: 2)    |
|               | 0.003 mg/l (marine water) (Assessment factor: 20) |

### Personal protective equipment

### General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

### Respiratory protection:

Short term filter device:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2.

### Protection of hands:

\* chemical resistant protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves.

Material of gloves Butyl rubber, BR

### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

### For the permanent contact gloves made of the following materials are suitable:

\* butyl rubber 0,7 mm, 480 min (EN 374)

### As protection from splashes gloves made of the following materials are suitable:

\* nitril rubber 0,4 mm, 30 min (EN 374)

### Eye protection:



Tightly sealed goggles (EN 166)

Body protection: Protective work clothing.

## 9 Physical and Chemical Properties

### General Information

### Appearance:

Form: Fluid

(Contd. on page 6)

AU

## Safety Data Sheet according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 5)

|                                                   |                                               |
|---------------------------------------------------|-----------------------------------------------|
| · <b>Colour:</b>                                  | Light red                                     |
| · <b>Odour:</b>                                   | Pungent                                       |
| · <b>Odour threshold:</b>                         | Not determined                                |
| · <b>pH-value at 20 °C:</b>                       | 0                                             |
| · <b>pH-value 1 %:</b>                            | 0-2                                           |
| · <b>Change in condition</b>                      |                                               |
| · <b>Melting point/freezing point:</b>            | undetermined                                  |
| · <b>Initial boiling point and boiling range:</b> | 100 °C                                        |
| · <b>Flash point:</b>                             | Not applicable                                |
| · <b>Flammability (solid, gaseous)</b>            | Not applicable                                |
| · <b>Auto-ignition temperature:</b>               | not applicable                                |
| · <b>Decomposition temperature:</b>               | Not determined                                |
| · <b>Ignition temperature:</b>                    | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>                    | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                        |                                               |
| · <b>Lower:</b>                                   | Not determined                                |
| · <b>Upper:</b>                                   | Not determined                                |
| · <b>Vapour pressure:</b>                         | Not determined                                |
| · <b>Density at 20 °C:</b>                        | 1.108 g/cm <sup>3</sup>                       |
| · <b>Relative density</b>                         | Not determined                                |
| · <b>Vapour density</b>                           | Not determined                                |
| · <b>Evaporation rate</b>                         | Not determined                                |
| · <b>Solubility in / Miscibility with</b>         |                                               |
| · <b>Water:</b>                                   | Fully miscible                                |
| · <b>Partition coefficient: n-octanol/water:</b>  | Not determined                                |
| · <b>Viscosity:</b>                               |                                               |
| · <b>dynamic:</b>                                 | Not determined                                |
| · <b>kinematic:</b>                               | Not determined                                |
| · <b>Other information</b>                        | No further relevant information available.    |
| · <b>Additional information</b>                   |                                               |
| · <b>Particle characteristics</b>                 | Not applicable                                |
| · <b>Physical state</b>                           | Liquid                                        |

### 10 Stability and Reactivity

- **Reactivity** corresponds to 10.3
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**  
Reacts with strong alkali  
Forms hydrogen in aqueous solution with metals  
Reacts with light alloys to form hydrogen

(Contd. on page 7)

## Safety Data Sheet according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 6)

- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Hydrogen chloride (HCl)  
Chlorine

### 11 Toxicological Information

- **Information on toxicological effects**
  - **Acute toxicity** Harmful if inhaled.
  - **LD/LC50 values relevant for classification:**
- |                                               |      |                   |
|-----------------------------------------------|------|-------------------|
| <b>308062-28-4 dodecyldimethylamine oxide</b> |      |                   |
| Oral                                          | LD50 | 1064 mg/kg (Rat)  |
| Dermal                                        | LD50 | >2000 mg/kg (Rat) |
- **Primary irritant effect:**
  - **Skin corrosion/irritation** Causes severe skin burns and eye damage.
  - **Serious eye damage/irritation** Causes serious eye damage.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** May cause respiratory irritation.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

### 12 Ecological Information

#### · Toxicity

##### · Aquatic toxicity:

##### **7647-01-0 hydrochloric acid**

|           |                                 |
|-----------|---------------------------------|
| LC50/96 h | 3.25 mg/l (Lepomis macrochirus) |
| EC50/48 h | 4.92 mg/l (Daphnia magna)       |
| EC50      | 0.23 mg/l (STP)                 |

##### **308062-28-4 dodecyldimethylamine oxide**

|           |                                              |
|-----------|----------------------------------------------|
| LC50/96 h | 2.67 mg/l (fish)                             |
| EC50/48 h | 3.1 mg/l (Daphnia magna)                     |
| EC10/18 h | 24 mg/l (Pseudomonas putida)                 |
| ErC50/72h | 0.143 mg/l (Pseudokirchneriella subcapitata) |
| NOEC      | 0.42 mg/l (Pimephales promelas)              |

(Contd. on page 8)

## Safety Data Sheet according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 7)

0.067 mg/l (Water plants)

0.7 mg/l (Daphnia magna)

· **Persistence and degradability** No further relevant information available.

· **Degree of elimination:**

**308062-28-4 dodecyldimethylamine oxide**

OECD 301B | 90 % (28 d)

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **COD-value:** 9.000 mg/l

· **General notes:**

Must not reach sewage water or drainage ditch undiluted or unneutralised.

The product does not contain organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

· **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

· **Uncleaned packaging:**

· **Recommendation:**

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

(Contd. on page 9)

## Safety Data Sheet according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 8)

**Recommended cleansing agents:** Water, if necessary together with cleaning agents.

### 14 Transport information

|                                                                                     |                                |
|-------------------------------------------------------------------------------------|--------------------------------|
| · UN-Number                                                                         |                                |
| · ADG, IMDG, IATA                                                                   | UN1789                         |
| · UN proper shipping name                                                           |                                |
| · ADG                                                                               | 1789 HYDROCHLORIC ACID         |
| · IMDG, IATA                                                                        | HYDROCHLORIC ACID              |
| · Transport hazard class(es)                                                        |                                |
| · ADG                                                                               |                                |
|    |                                |
| · Class                                                                             | 8 (C1) Corrosive substances.   |
| · Label                                                                             | 8                              |
| · IMDG, IATA                                                                        |                                |
|  |                                |
| · Class                                                                             | 8 Corrosive substances.        |
| · Label                                                                             | 8                              |
| · Packing group                                                                     |                                |
| · ADG, IMDG, IATA                                                                   | II                             |
| · Environmental hazards:                                                            |                                |
| · Marine pollutant:                                                                 | No                             |
| · Special precautions for user                                                      | Warning: Corrosive substances. |
| · Hazard identification number (Kemler code):                                       | 80                             |
| · Hazchem Code:                                                                     | 2R                             |
| · EMS Number:                                                                       | F-A,S-B                        |
| · Segregation groups                                                                | (SGG1) Acids                   |
| · Stowage Category                                                                  | E                              |
| · Transport in bulk according to Annex II of Marpol and the IBC Code                | Not applicable                 |

(Contd. on page 10)

## Safety Data Sheet according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101**

(Contd. of page 9)

### · Transport/Additional information:

#### · ADG

· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category

2

· Tunnel restriction code

E

#### · IMDG

· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation":

UN 1789 HYDROCHLORIC ACID, 8, II

## 15 Regulatory information

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

#### · Australian Inventory of Industrial Chemicals

7732-18-5 water

7647-01-0 hydrochloric acid

587-98-4 C.I. acid yellow 36

497-19-8 sodium carbonate

8042-47-5 paraffinum liquidum

#### · Standard for the Uniform Scheduling of Medicines and Poisons

7647-01-0 hydrochloric acid

S5, S6

#### · Australia: Priority Existing Chemicals

None of the ingredients is listed.

### · National regulations

· **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
A product information sheet can be provided if requested.

### · Relevant phrases

H290 May be corrosive to metals.

(Contd. on page 11)

**Safety Data Sheet**  
according to WHS Regulations

Date of issue: 30.01.2026

Version number 7

Revision: 10.03.2022

**Trade name: PressurePro Descaling Acid RM 101***(Contd. of page 10)*

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

**Contact:**

Regulatory Affairs

Tel.: +49-7195-14-0

productsafety.management.de@karcher.com

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Corrosive to metals – Category 1: Corrosive to metals – Category 1

Acute toxicity - inhalation – Category 3: Acute toxicity – Category 3

Acute toxicity - inhalation – Category 4: Acute toxicity – Category 4

Skin corrosion/irritation – Category 1A: Skin corrosion/irritation – Category 1A

Skin corrosion/irritation – Category 1B: Skin corrosion/irritation – Category 1B

Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1

Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3

**\* Data compared to the previous version altered.**

0-011-132-0

RM 101/8

2-431