

Safety Data Sheet
according to WHS Regulations

Date of issue: 26.09.2025

Version number 4

Revision: 04.02.2022

1 Identification

- **Other means of identification**
- **Trade name:** VehiclePro Klear!Rim RM 896
- **Relevant identified uses of the substance or mixture and uses advised against**
Restricted to professional users.
- **Application of the substance / the mixture** Detergent
- **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

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

- **Further information obtainable from:**

Regulatory Affairs
Tel.: +49-7195-14-0
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: +1 703-741-5970 (collect calls accepted)

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Corrosive to metals – Category 1 H290 May be corrosive to metals.
Skin corrosion/irritation – Category 1B H314 Causes severe skin burns and eye damage.

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Eye damage/irritation – Category 1 H318 Causes serious eye damage.

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

Corrosion



GHS05

· **Signal word** Danger· **Hazard-determining components of labelling:**

Polyamine, anionically modified (5-10 %)

potassium hydroxide (≥2-<5 %)

· **Hazard statements**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

· **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 of substances listed below with non-hazardous additions.· **Dangerous components:**

102-71-6	Triethanolamine ⚠ Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Specific target organ toxicity (single exposure) – Category 3, H335	10%
	Polyamine, anionically modified ⚠ Eye damage/irritation – Category 1, H318; ⚠ Acute toxicity - inhalation – Category 4, H332	5-10%
1310-58-3	potassium hydroxide ⚠ Corrosive to metals – Category 1, H290; Skin corrosion/irritation – Category 1A, H314; ⚠ Acute toxicity - oral – Category 4, H302	≥2-<5%
1310-73-2	sodium hydroxide ⚠ Corrosive to metals – Category 1, H290; Skin corrosion/irritation – Category 1A, H314; Eye damage/irritation – Category 1, H318	≥0.5-<2%
5064-31-3	nitritotriacetate, trisodium salt ⚠ Carcinogenicity – Category 2, H351; ⚠ Acute toxicity - oral – Category 4, H302; Eye damage/irritation – Category 2A, H319	0.1-1%

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

4 First Aid Measures

- **General information** 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** 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.
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**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **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.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.

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· **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:**

Do not store together with acids.
Keep away from food, beverages and feed.

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

102-71-6 Triethanolamine

WES	Long-term value: 5 mg/m ³
Sen	

1310-58-3 potassium hydroxide

WES	Peak limitation: 2 mg/m ³
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1310-73-2 sodium hydroxide

WES	Peak limitation: 2 mg/m ³
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· **DNELs**

1310-73-2 sodium hydroxide

Inhalative	DNEL	1 mg/m ³ (employee)
		1 mg/m ³ (consumer)

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- **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:**

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:**



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.

- **Eye protection:**



Tightly sealed goggles (EN 166)

9 Physical and Chemical Properties

- **General Information**

- **Appearance:**

· **Form:** Fluid
· **Colour:** Colourless
· **Odour:** Product specific
· **Odour threshold:** Not determined.
· **pH-value at 20 °C:** 13.1
· **pH-value 1 %:** 10-11

- **Change in condition**

· **Melting point/freezing point:** -6 °C

· **Initial boiling point and boiling range:** 100 °C

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** Not applicable.

· **Auto-ignition temperature:** not applicable

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

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· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	1.091 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Fully miscible
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· dynamic at 20 °C:	9 mPas
· kinematic:	Not determined.
· Solvent content:	
· Solids content:	25.0 %
· Other information	No further relevant information available.
· Additional information	
· Particle characteristics	Not applicable.
· Physical state	Liquid

10 Stability and Reactivity

- **Reactivity** corresponds to 10.3
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
Strong exothermic reaction with acids
Reacts with light alloys to form hydrogen
Corrodes aluminium
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Not compatible with alkali-sensitive substances like Sn, Zn, Al and paintings.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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· **LD/LC50 values relevant for classification:**

1310-58-3 potassium hydroxide

Oral	LD50	333 mg/kg (Rat)
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5064-31-3 nitrilotriacetate, trisodium salt

Oral	LD50	1470 mg/kg (Rat)
Dermal	LD50	>10000 mg/kg (Rabbit)

· **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** Based on available data, the classification criteria are not met.
- **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:**

1310-58-3 potassium hydroxide

LC50/96 h	80 mg/l (Gambusia affinis)
	165 mg/l (Poecilia reticulata)

1310-73-2 sodium hydroxide

LC50/96 h	125 mg/l (Gambusia affinis)
EC50/48 h	76 mg/l (Daphnia magna)
	40.4 mg/l (Ceriodaphnia dubia)
EC50/15 min	22 mg/l (Photobacterium phosphoreum)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**

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

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

· **Additional ecological information:**

· **General notes:**

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

The contained organic complexing agents reach a DOC-elimination grade of 80% (corresponding to No. 406 of Annex "Analytic and measuring methods") and with this meet the tightened demands of Annex 49 of the revised Directive on liquid waste.

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The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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

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 increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, 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.

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

14 Transport information

· **UN-Number**

· **ADG, IMDG, IATA**

UN1814

· **UN proper shipping name**

· **ADG**

· **IMDG, IATA**

1814 POTASSIUM HYDROXIDE SOLUTION
POTASSIUM HYDROXIDE SOLUTION

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· Transport hazard class(es)

· ADG



· Class

8 (C5) Corrosive substances.

· Label

8

· IMDG, IATA



· Class

8 Corrosive substances.

· Label

8

· Packing group

· ADG, IMDG, IATA

III

· Environmental hazards:

Not applicable.

· Special precautions for user

Warning: Corrosive substances.

· Hazard identification number (Kemler code):

80

· Hazchem Code:

2R

· EMS Number:

F-A,S-B

· Segregation groups

(SGG18) Alkalis

· Stowage Category

A

· Segregation Code

SG35 Stow "separated from" SGG1-acids

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

Not applicable.

· Transport/Additional information:

· ADG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· Transport category

3

· Tunnel restriction code

E

· IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

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· **UN "Model Regulation":**

UN 1814 POTASSIUM HYDROXIDE SOLUTION, 8, III

15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

7732-18-5	water
102-71-6	Triethanolamine
1310-58-3	potassium hydroxide
164462-16-2	methylglycine diacetic acid, trisodium salt, solution
1310-73-2	sodium hydroxide
5064-31-3	nitrilotriacetate, trisodium salt
77-92-9	citric acid

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

102-71-6	Triethanolamine	S4, S5
1310-58-3	potassium hydroxide	S5, S6, S10
1310-73-2	sodium hydroxide	S5, S6, S10
5064-31-3	nitrilotriacetate, trisodium salt	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.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.

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AU

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· Contact:

Regulatory Affairs

Tel.: +49-7195-14-0

productsafety.management.de@karcher.com

· Abbreviations and acronyms:

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)

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 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

Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2

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

Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Carcinogenicity – Category 2: Carcinogenicity – Category 2

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

· * Data compared to the previous version altered.

· 0-011-047-0

RM896/1

2-541

AU