

Safety Data Sheet

in accordance with Hazardous Substances (Safety Data Sheets) Notice
2017

Printing date 19.04.2024

Version number 6

Revision: 08.06.2022

1 Identification of the substance or mixture and of the supplier

- **Product identifier**
- **Trade name:** PressurePro Active Cleaner, alkaline RM 81 eco!efficiency
- **Relevant identified uses of the substance or mixture and uses advised against**
Restricted to professional users.
- **Application of the substance / the mixture** High pressure cleaner
- **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

Karcher Limited

66 Allens Road

East Tamaki

Auckland, New Zealand

Telephone: (09) 274 4603

Internet: www.karcher.com

- **Further information obtainable from:**

Regulatory Affairs

Tel.: +49-7195-14-0

productsafety.management.de@karcher.com

- **Emergency telephone number:**

0800 764 766 [National Poisons Centre]

111 [Fire, Ambulance, Police]

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 Hazards identification

- **Classification of the substance or mixture**

Met. Corr. 1 H290 May be corrosive to metals.

Skin Corr. 1C H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

- **Label elements**

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

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Trade name: PressurePro Active Cleaner, alkaline RM 81 eco!efficiency

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Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

fatty alcohol ethoxylate

isotridecanoethoxylate + 8 EO

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine

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): 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.

P405 Store locked up.

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

3 Composition/Information on ingredients

Chemical characterisation: Mixtures

Description: Cleaning agent

Dangerous components:

CAS: 78330-20-8	fatty alcohol ethoxylate	≥3-≤5%
	Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 69011-36-5	isotridecanoethoxylate + 8 EO	≥3-≤5%
	Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 15763-76-5	sodium p-cumenesulphonate	1-5%
EINECS: 239-854-6	Eye Irrit. 2, H319	
CAS: 121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine	≥1-<2.5%
EC number: 939-464-2	Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412	

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.

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Trade name: PressurePro Active Cleaner, alkaline RM 81 eco!efficiency*(Contd. of page 2)***· 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.**· 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**

Keep people at a distance and stay on the windward side.

Ensure adequate ventilation

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.

· 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

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

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
Use only in well ventilated areas.
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:**
Unsuitable material for receptacle: aluminium.
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:**
Protect from frost.
Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNELs

15763-76-5 sodium p-cumenesulphonate

Oral	DNEL	3.8 mg/kg×d (consumer)
Dermal	DNEL	136.25 mg/kg×d (employee) 68.1 mg/kg×d (consumer)
Inhalative	DNEL	26.9 mg/m ³ (employee) 6.6 mg/m ³ (consumer)

· PNECs

15763-76-5 sodium p-cumenesulphonate

PNEC	0.23 mg/l (freshwater) 0.023 mg/l (marine water) 100 mg/l (STP)
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PNEC sediment	0.862 mg/kg (freshwater)
	0.086 mg/kg (marine water)
PNEC soil	0.037 mg/kg (soil)
121617-08-1 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine	
PNEC	0.268 mg/l (freshwater)
	0.0268 mg/l (marine water)
	7 mg/l (STP)

· Personal protective equipment

· General protective and hygienic measures

Do not inhale gases / fumes / aerosols.

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.

· 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)

9 Physical and chemical properties

· General Information

· Appearance:

· Form:

Fluid

· Colour:

Yellow

· Odour:

citrus-like

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· Odour threshold:	Not determined.
· pH-value at 20 °C:	12.3
· pH-value 1 %:	10-11
· Change in condition	
· Melting point/freezing point:	undetermined
· 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.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	1.094 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:	5 mPas
· kinematic:	Not determined.
· Solvent content:	
· Solids content:	22.0 %
· Other information	No further relevant information available.

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**
 - Reacts with strong acids
 - Strong exothermic reaction with acids
 - Reacts with light alloys to form hydrogen
 - Corrodes aluminium
- **Conditions to avoid** No further relevant information available.

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- **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.

· LD/LC50 values relevant for classification:		
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78330-20-8 fatty alcohol ethoxylate		
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Oral	ATE	500 mg/kg (Rat)
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69011-36-5 isotridecanoethoxylate + 8 EO		
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Oral	ATE	500 mg/kg (Rat)
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15763-76-5 sodium p-cumenesulphonate		
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Oral	LD50	>5000 mg/kg (Rat) (OECD 401)
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Dermal	LD50	>2000 mg/kg (Rabbit)
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121617-08-1 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine		
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Oral	LD50	2925 mg/kg (Rat) (OECD 401)
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- **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:	
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78330-20-8 fatty alcohol ethoxylate	
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LC50/96 h	>10-100 mg/l (Leuciscus idus)
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EC50/48 h	>10-<100 mg/l (Aquatic invertebrates)
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EC50/72 h	>10-<100 mg/l (Aquatic plants)
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69011-36-5 isotridecanoethoxylate + 8 EO	
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LC50/96 h	>1-10 mg/l (Leuciscus idus)
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EC50/48 h	>1-10 mg/l (Aquatic invertebrates)
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EC50/72 h	>1-10 mg/l (Aquatic plants)
NOEC	>1 mg/l /(21 d)
15763-76-5 sodium p-cumenesulphonate	
LC50/96 h (static)	>100 mg/l (Oncorhynchus mykiss)
EC50/48 h (static)	>100 mg/l (Daphnia magna)
EC50/96 h (static)	>100 mg/l (Pseudokirchneriella subcapitata)
121617-08-1 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine	
LC50/96 h	>1-10 mg/l (Brachydanio rerio) (OECD 203)
EC50/48 h (static)	>10-100 mg/l (Daphnia magna) (OECD 202)
EC50/72 h (static)	>10-100 mg/l (Desmodium subspicatus) (OECD 201)
EC10/18 h	50 mg/l (Pseudomonas putida)
NOEC	2.8 mg/l (Daphnia magna) (OECD TG 202, Zeil 2)
	1 mg/l (Lepomis macrochirus)

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

· **Degree of elimination:**

69011-36-5 isotridecanoethoxylate + 8 EO

OECD 301B >60 % (28 d)

OECD 301E ≥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:** 300000 mg/l

· **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.

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 product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.

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.

· **European waste catalogue**

20 01 29*	detergents containing hazardous substances
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· **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**

· **NZS, IMDG, IATA**

UN3267

· **UN proper shipping name**

· **NZS**

3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(methylglycine diacetic acid, trisodium salt, solution)

· **IMDG, IATA**

CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(methylglycine diacetic acid, trisodium salt, solution)

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· **Transport hazard class(es)**

· **NZS**



· **Class**
· **Label**

8 (C7) Corrosive substances.
8

· **IMDG, IATA**



· **Class**
· **Label**

8 Corrosive substances.
8

· **Packing group**
· **NZS, IMDG, IATA**

III

· **Environmental hazards:**
· **Marine pollutant:**

No

· **Special precautions for user**
· **Hazard identification number (Kemler code):**
· **EMS Number:**
· **Segregation groups**
· **Stowage Category**
· **Stowage Code**
· **Segregation Code**

Warning: Corrosive substances.
80
F-A,S-B
(SGG18) Alkalis
A
SW2 Clear of living quarters.
SG35 Stow "separated from" SGG1-acids

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

Not applicable.

· **Transport/Additional information:**

· **NZS**

· **Limited quantities (LQ)**
· **Excepted quantities (EQ)**

5L
Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

· **Transport category**
· **Tunnel restriction code**

3
E

· **IMDG**

· **Limited quantities (LQ)**

5L

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· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(METHYLGLYCINE DIACETIC ACID, TRISODIUM SALT,
SOLUTION), 8, III

15 Regulatory information

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

· New Zealand Inventory of Chemicals

7732-18-5	water
164462-16-2	methylglycine diacetic acid, trisodium salt, solution
78330-20-8	fatty alcohol ethoxylate
69011-36-5	isotridecanolethoxylate + 8 EO
15763-76-5	sodium p-cumenesulphonate
68891-38-3	sodium lauryl ether sulfate
25265-71-8	Dipropylene glycol (isomer unspecified)
78-69-3	tetrahydrolinalool
98-55-5	alpha-Terpineol
115-95-7	linalyl acetate
18479-58-8	Dihydromyrcenol
74338-72-0	2,4,4,7-tetramethyl-6-octen-3-one
61792-11-8	3,7-Dimethyl-2,6-nonadienenitrile
587-98-4	C.I. acid yellow 36
78-70-6	Linalool
497-19-8	sodium carbonate
8042-47-5	paraffinum liquidum
106-24-1	geraniol
5989-27-5	(R)-p-mentha-1,8-diene

· National regulations

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

· HSNO Act 1996: EPA New Zealand Approval Code

HSR002526; Cleaning Products (Corrosive) Group Standard 2006.

· HSNO Controls Refer to www.epa.govt.nz for information on Controls.

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· **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.

· **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)
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
Met. Corr. 1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

0-011-327-0

RM 81 Eco/1

2-508