

Printing date 19.04.2024 Version number 6 (replaces version 5) Revision: 04.01.2022

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

- 1.1 Product identifier
- Trade name: PressurePro Active Cleaner, alkaline RM 81 eco!efficiency
- 1.2 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
- 1.3 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 (UK) Ltd.

Kärcher House Brookhill Way Banbury Oxon OX16 3ED Great Britain

Tel.: +44-1295-752-000

Internet: www.karcher.com

#### · Further information obtainable from:

Regulatory Affairs
Tel.: +49-7195-14-0
productsafety.management.de@karcher.com

#### 1.4 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)

### **SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

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

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

Eye Dam. 1 H318 Causes serious eye damage.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

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### · Hazard pictograms



### · Signal word Danger

#### · Hazard-determining components of labelling:

fatty alcohol ethoxylate

isotridecanolethoxylate + 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.

## **SECTION 3: Composition/information on ingredients**

3.2 Mixtures

**Description:** Cleaning agent

Dangerous components:		
CAS: 78330-20-8	fatty alcohol ethoxylate  Eye Dam. 1, H318;  Acute Tox. 4, H302	≥3-≤5%
CAS: 69011-36-5	isotridecanolethoxylate + 8 EO	≥3-≤5%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37-xxxx	sodium p-cumenesulphonate  © Eye Irrit. 2, H319	1-5%
CAS: 121617-08-1 EC number: 939-464-2 Reg.nr.: 01-2119971970-28-0001	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine  Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 50 % Skin Irrit. 2; H315: 1 % ≤ C < 50 %	≥1-<2.5%

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

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#### **SECTION 4: First aid measures**

- 4.1 Description of 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 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.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## **SECTION 5: Firefighting measures**

- 5.1 Extinguishing media
- Suitable extinguishing agents

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.
- · Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

#### **SECTION 6: Accidental release measures**

### 6.1 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.

#### · 6.2 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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### 6.3 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.

#### 6.4 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.

## **SECTION 7: Handling and storage**

#### · 7.1 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.
- 7.2 Conditions for safe storage, including any incompatibilities
- 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.

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

## **SECTION 8: Exposure controls/personal protection**

### · 8.1 Control parameters

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 sodi	um p-cumenesulphonate
Oral	DNEL	3.8 mg/kg×d (consumer)
Dermal	DNEL	136.25 mg/kg×d (employee)
		68.1 mg/kg×d (consumer)
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Inhalative	DNEL	26.9 mg/m3 (employee)
		6.6 mg/m3 (consumer)
· PNECs		
15763-76-5	5 sodiu	um p-cumenesulphonate
PNEC	(	0.23 mg/l (freshwater)
	(	0.023 mg/l (marine water)
		100 mg/l (STP)
PNEC sedi	ment	0.862 mg/kg (freshwater)
	(	0.086 mg/kg (marine water)
PNEC soil	-	0.037 mg/kg (soil)
121617-08-	-1 Ben	zenesulfonic 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)

- 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as 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.

· Hand protection



Protective gloves.

- · Material of gloves Butyl rubber, BR
- Penetration time of glove material

The exact break trough 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)

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· Eye/face protection



Tightly sealed goggles (EN 166)

## **SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

General Information

· Physical state Fluid · Colour: Yellow

· Odour: citrus-like

· Odour threshold: Not determined. · Melting point/freezing point: undetermined

· Boiling point or initial boiling point and boiling range 100 °C

· Flammability Not applicable.

· Lower and upper explosion limit

Not determined. · Lower:

· Upper: Not determined. · Flash point: Not applicable

· Auto-ignition temperature: not applicable Decomposition temperature: Not determined.

· pH at 20 °C 12.3 · pH-value 1 %: 10-11

· Viscosity:

Kinematic viscosity Not determined.

· dynamic at 20 °C: 5 mPas

Solubility

· Water: Fully miscible

· Partition coefficient n-octanol/water (log value) Not determined. Not determined. · Vapour pressure:

· Density and/or relative density

Density at 20 °C: 1.094 g/cm<sup>3</sup> · Relative density Not determined. · Vapour density Not determined. Relative gas density Not determined.

9.2 Other information

· Appearance:

· Form: Fluid

Important information on protection of health and

environment, and on safety.

· Ignition temperature: Product is not selfigniting.

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

· Solvent content:

· Solids content: 22.0 %

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· Change in condition		
· Evaporation rate	Not determined.	
Information with regard to physical hazard	classes	
Explosives	Void	
Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
<ul> <li>Substances and mixtures, which emit flammable</li> </ul>	gases	
in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	May be corrosive to metals.	
Desensitised explosives	Void	

## **SECTION 10: Stability and reactivity**

- · 10.1 Reactivity corresponds to 10.3
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions

Reacts with strong acids

Strong exothermic reaction with acids

Reacts with light alloys to form hydrogen

Corrodes aluminium

- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: Not compatible with alkali-sensitive substances like Sn, Zn, Al and paintings.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known

## **SECTION 11: Toxicological information**

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

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· LD/LC5	O values relevant for classification:	
78330-2	0-8 fatty alcohol ethoxylate	
Oral	ATE   500 mg/kg (Rat)	
69011-3	6-5 isotridecanolethoxylate + 8 EO	
Oral	ATE   500 mg/kg (Rat)	
15763-7	6-5 sodium p-cumenesulphonate	
Oral	LD50 >5000 mg/kg (Rat) (OECD 401)	
Dermal	LD50 >2000 mg/kg (Rabbit)	
121617-	08-1 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine	
Oral	LD50 2925 mg/kg (Rat) (OECD 401)	

- · 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.
- · 11.2 Information on other hazards
- **Endocrine disrupting properties**

None of the ingredients is listed.

## **SECTION 12: Ecological information**

### · 12.1 Toxicity

Aquatic toxicity	<i>r</i> :
78330-20-8 fatty a	alcohol ethoxylate
LC50/96 h	>10-100 mg/l (Leuciscus idus)
EC50/48 h	>10-<100 mg/l (Aquatic invertebrates)
EC50/72 h	>10-<100 mg/l (Aquatic plants)
69011-36-5 isotric	decanolethoxylate + 8 EO
LC50/96 h	>1-10 mg/l (Leuciscus idus)
EC50/48 h	>1-10 mg/l (Aquatic invertebrates)
EC50/72 h	>1-10 mg/l (Aquatic plants)
NOEC	>1 mg/l /(21 d)
15763-76-5 sodiu	m 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)
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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 (Desmodesmus 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)	

· 12.2 Persistence and degradability No further relevant information available.

Degree of elimination:			
69011-36-5 isotridecanolethoxylate + 8 EO			
OECD 301B  >60 % (28 d)			
OECD 301E ≥90 % (28 d)			

- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- 12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- 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 Direction on ligid 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.

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.



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## **SECTION 13: Disposal considerations**

- · 13.1 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

- 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.

SECTION 14:	Transport i	nformation
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· 14.1 UN number or ID num	nbei	nur	ID	or	number	JN	1	14.1	
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· ADR, IMDG, IATA UN3267

14.2 UN proper shipping name

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

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

· 14.3 Transport hazard class(es)

· ADR



· Class 8 (C7) Corrosive substances.

· Label

· IMDG, IATA



· Class 8 Corrosive substances.

· Label

· 14.4 Packing group

· ADR, IMDG, IATA

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14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Corrosive substances.
Hazard identification number (Kemler code):	80
EMS Number:	F-A,S-B
Segregation groups	(SGG18) Alkalis
Stowage Category	A
Stowage Code	SW2 Clear of living quarters.
Segregation Code	SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to	IMO
instruments	Not applicable.
Transport/Additional information:	
ADR	
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
UN "Model Regulation":	UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Ŭ	(METHYLGLYCINE DIACETIC ACID, TRISODIUM SALT,
	SOLUTION), 8, III

## **SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- National regulations
- Information about limitation of use: Employment restrictions concerning juveniles must be observed.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.



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#### **SECTION 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

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.

H412 Harmful to aquatic life with long lasting effects.

#### 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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 (UK REACH)

PNEC: Predicted No-Effect Concentration (UK 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. 1: Skin corrosion/irritation – Category 1

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

GB