Revision: 01.10.2021



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 11.03.2022

Version number 11 (replaces version 10)

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

- · 1.1 Product identifier
- · Trade name: VehiclePro Washing Bay and Tile Cleaner RM 841
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- Application of the substance / the mixture Detergent
- · 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:

Department CSD-D Tel.: +49-7195-14-0

productsafety.management@de.kaercher.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. 1B 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:

phosphoric acid

· 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 for showerl.

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.

#### · 2.3 Other hazards

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

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

- · 3.2 Mixtures
- · Description: Cleaning agent

phosphoric acid  Net. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318  Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 %  Skin Irrit. 2; H315: 10 % ≤ C < 25 %  Eye Dam. 1; H318: C ≥ 25 %  Eye Irrit. 2; H319: 10 % ≤ C < 25 %	10-20%
isotridecanolethoxylate + 8 EO ♦ Eye Dam. 1, H318; ♦ Acute Tox. 4, H302	≥3-≤5%
reaction mass of butyl dihydrogen phosphate and dibutyl hydrogen phosphate  Skin Corr. 1B, H314	≥1-<5%
	Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Dam. 1; H318: C ≥ 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 % isotridecanolethoxylate + 8 EO Eye Dam. 1, H318; Acute Tox. 4, H302 reaction mass of butyl dihydrogen phosphate and dibutyl hydrogen phosphate

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sodium p-cumenesulphonate	0.1-1%
Eye Irrit. 2, H319	
4 on detergents / Labelling for contents	
	≥15 - <30%
factants	<5%
	Eye Irrit. 2, H319  I on detergents / Labelling for contents

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

#### **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

Seek medical treatment.

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

Supply fresh air; consult doctor in case of complaints.

· After skin contact

Consult a doctor.

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

Causes severe skin burns and eye damage.

· 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.

- $\cdot$  5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: Wear fully protective suit.

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#### 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

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.

#### · 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 item 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

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: 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.

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

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

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:		
7664-	7664-38-2 phosphoric acid	
WEL	Short-term value: 2 mg/m³	
	Long-term value: 1 mg/m³	
DNEI		

#### DNELs

#### 15763-76-5 sodium p-cumenesulphonate

Oral	DNEL	3.8 mg/kg*d (consumer)
Dermal	DNEL	136.25 mg/kg*d (employee)
		3.8 mg/kg*d (consumer) 136.25 mg/kg*d (employee) 68.1 mg/kg*d (consumer)
Inhalative	DNEL	26.9 mg/m3 (employee)
		6.6 mg/m3 (consumer)

#### · PNECs

15763-76-5 sodium p-cumenesulphonate	
PNEC	0.23 mg/l (freshwater)
	0.023 mg/l (marine water)
	100 mg/l (STP)
PNEC sediment	0.862 mg/kg (freshwater)
	0.086 mg/kg (marine water)
PNEC soil	0.037 mg/kg (soil)

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

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

### · Respiratory protection:

Filter A/P2.

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.

Not necessary if room is well-ventilated.

- · Hand protection
- chemical resistant protective gloves (EN 374)



Protective gloves.

· Material of gloves Butyl rubber, BR

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· 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.

100 °C

- · 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/face protection



Tightly sealed goggles (EN 166)

· Body protection:

Acid resistant protective clothing Boots

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

· 9.1 Information on basic physical and chemical properties

General Information

· Physical state Fluid · Colour: Red

Odour: Product specificOdour threshold: Not determined.

• Melting point/freezing point: -8 °C

Boiling point or initial boiling point and boiling range

• Flammability Not applicable.

· Lower and upper explosion limit

· Lower: Not determined.

Upper: Not determined.
 Flash point: Not applicable
 Ignition temperature: not applicable

• Decomposition temperature: Not determined.

• pH at 20 °C
 • pH-value 1 %:
 1-3

· Viscosity:

· Kinematic viscosity Not determined.

· dynamic at 20 °C: 4 mPas

SolubilityWater:

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

· Density and/or relative density

• Density at 20 °C: 1.092 g/cm³
• Relative density Not determined.

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· Vapour density

Not determined.

· 9.2 Other information

· Appearance:

· Form:

Fluid

Void

Void

· Important information on protection of health

and environment, and on safety.

Auto-ignition temperature: Product is not selfigniting.

· Explosive properties:

Product does not present an explosion hazard.

· Solvent content:

· Solids content: 24.0 %

· Change in condition

• Evaporation rate Not determined.

Information with regard to physical hazard

classes

Explosives
Flammable gases
Aerosols
Oxidising gases
Gases under pressure
Flammable liquids
Flammable solids

Self-reactive substances and mixtures
 Pyrophoric liquids
 Pyrophoric solids

Self-heating substances and mixtures
 Substances and mixtures, which emit flammable

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

## **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

Forms hydrogen in aqueous solution with metals

Reacts with alkali and metals

Reacts with light alloys to form hydrogen

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- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 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

· LD/LC5	LD/LC50 values relevant for classification:		
7664-38-2 phosphoric acid			
Oral	LD50	2,600 mg/kg (Rat)	
Dermal	LD50	2,740 mg/kg (Rabbit)	
69011-3	69011-36-5 isotridecanolethoxylate + 8 EO		
Oral	ATE	500 mg/kg (Rat)	
15763-7	15763-76-5 sodium p-cumenesulphonate		
Oral	LD50	>5,000 mg/kg (Rat) (OECD 401)	
Dermal	LD50	>2,000 mg/kg (Rabbit)	

- · Skin corrosion/irritation Causes severe skin burns and eye damage.
- · Serious eye damage/irritation Causes serious eye damage.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

## **SECTION 12: Ecological information**

· 12.1 Toxicity

· Aquatic toxicity	:		
7664-38-2 phospl	noric acid		
LC50/96 h	138 mg/l (Gambusia affinis)		
EC50/48 h	>100 mg/l (Daphnia magna) (OECD 202)		
69011-36-5 isotric	69011-36-5 isotridecanolethoxylate + 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)		
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)		
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EC50/96 h (static) >100 mg/l (Pseudokirchneriella subcapitata)

· 12.2 Persistence and degradability

#### 69011-36-5 isotridecanolethoxylate + 8 EO

Bismuth-act. sup. ≥90 % (mod. OECD 301 E)

- · 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: 217.000 mg/l
- · General notes:

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.

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.

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

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.

## **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

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- · Uncleaned packaging:
- · Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product. Non contaminated packagings may be recycled.

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

### **SECTION 14: Transport information**

· 14.1 UN number or ID number

· ADR, IMDG, IATA UN1805

· 14.2 UN proper shipping name

· ADR 1805 PHOSPHORIC ACID, SOLUTION

· IMDG, IATA PHOSPHORIC ACID, SOLUTION

· 14.3 Transport hazard class(es)

· ADR



· Class 8 (C1) Corrosive substances.

· Label 8

· IMDG, IATA



· Class 8 Corrosive substances.

· Label

· 14.4 Packing group

· ADR, IMDG, IATA

· 14.5 Environmental hazards:

· Marine pollutant: No

• 14.6 Special precautions for user Warning: Corrosive substances.

· Hazard identification number (Kemler code):

• EMS Number: F-A,S-B
• Segregation groups Acids

· Stowage Category A

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· 14.7 Maritime transport in bulk accor	ding 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 1805 PHOSPHORIC ACID, 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.

#### **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

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

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· Department issuing SDS: CSD-D

· Contact:

Department CSD-D Tel.: +49-7195-14-0

productsafety.management@de.kaercher.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 (GB REACH)

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

Skin Corr. 1B: Skin corrosion/irritation – Category 1B Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

· \* Data compared to the previous version altered.

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