KÄRCHER

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

according to 1907/2006/EC, Article 31 Version number 7 (replaces version 6) Revision: 14.06.2021 Printing date 18.06.2021 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier · Trade name: PressurePro Facade Cleaner, Gel RM 43 · UFI: F3C0-F0T9-S00V-5VNC · 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 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 Internet: www.karcher.com Further information obtainable from: Department CSD-D Tel.: +49-7195-14-2548 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. Eve 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 CLP regulation.

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Hazard picto	grams
\wedge	
L Z	
\sim	
GHS05	
Signal word	Danger
Signal word	Daliger
Hazard-deter	mining components of labelling:
potassium silio	
sodium hydrox	
•	nethylaminoxide
sodium metas	
Hazard stater	
	corrosive to metals.
	severe skin burns and eye damage.
Precautionar	•
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+F	P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with wate
DOOL DOLL	[or shower].
	P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
P305+P351+F	present and easy to de. Continue ringing
	present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

• vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Cleaning agent

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Dangerous components: CAS: 67656-24-0	codium 2 butoxyothyl sylphato	1-5%
EINECS: 266-840-7	sodium 2-butoxyethyl sulphate	-
Reg.nr.: 01-2120781516-47-0000	Specific concentration limit: Eye Dam. 1; H318: $C \ge 50 \%$	
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6 Reg.nr.: 01-2119457892-27-xxxx	sodium hydroxide ♦ Met. Corr.1, H290; Skin Corr. 1A, H314 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 %	_ ≥2-<5
	Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	,
CAS: 1312-76-1 EINECS: 215-199-1 Reg.nr.: 01-2119456888-17	potassium silicate Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335	_ ≥1-<3
CAS: 3332-27-2 EINECS: 222-059-3 Reg.nr.: 01-2119949262-37-0000	tetradecyl dimethylaminoxide Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315	_ ≥1-<2.
CAS: 10213-79-3 EINECS: 229-912-9 Index number: 014-010-00-8 Reg.nr.: 01-2119449811-37	sodium metasilicate Met. Corr.1, H290; Skin Corr. 1B, H314; STOT SE 3, H335	_ ≥1-<5
CAS: 1310-58-3 potassium hydroxide EINECS: 215-181-3 Met. Corr. 1, H290; Skin Corr. 1A, H314; $①$ Acute Tox. 4, H302 Index number: 019-002-00-8 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Specific concentration limits: Skin Corr. 1B; H314: 2 % ≤ C < 5 %		_ ≥0.5-≤
Regulation (EC) No 648/2004	on detergents / Labelling for contents	-
phosphates		≥5 - <15
anionic surfactants, soap, non-ion	ic surfactants	<5%

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

In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.

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After skin contact
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
Immediately rinse with water.

After eye contact
Seek medical treatment.
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

SECTION 5: Firefighting measures

No further relevant information available.

· 5.1 Extinguishing media

- Suitable extinguishing agents CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents Water with full jet.
- **5.2 Special hazards arising from the substance or mixture** In case of fire, the following can be released: Carbon monoxide (CO)

5.3 Advice for firefighters

- Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.
- 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:

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).

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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

Avoid splashes or spray in enclosed 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: 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.
- · 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

1310-73-2 sodium hydroxide

Inhalative DNEL 1 mg/m3 (employee) 1 mg/m3 (consumer)

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

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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 Check the permeability prior to each anewed use of the glove. 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) · Eye/face protection Tightly sealed goggles (EN 166) · Body protection: Alkaline resistant protective clothing Boots

9.1 Information on basic physical an	d chemical properties	
General Information		
Physical state	Fluid	
Colour:	Yellow	
Odour:	Specific type	
Odour threshold:	Not determined.	
Melting point/freezing point:	-7 °C	
Boiling point or initial boiling point and	l boiling	
range	100 °C	
Flammability	Not applicable.	
Lower and upper explosion limit		
Lower:	Not determined.	
Upper:	Not determined.	
Flash point:	Not applicable	



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Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH at 20 °C	13.8
	1 % 12
pH-value 1 %:	11-12
Viscosity:	
Kinematic viscosity	Not determined.
dynamic at 20 °C:	6 mPas
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value	e) Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.153 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of hea	alth
and environment, and on safety.	
Ignition temperature:	not applicable
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
VOC (EC)	0.00 %
Solids content:	25.0 %
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
	Void
Self-reactive substances and mixtures	Void
Self-reactive substances and mixtures	
Self-reactive substances and mixtures Pyrophoric liquids	Void
Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids	Void Void
Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures	Void Void Void Void
Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammal gases in contact with water	Void Void Void Void
Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammal gases in contact with water	Void Void Void Void ble
Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids Self-heating substances and mixtures Substances and mixtures, which emit flammal	Void Void Void Void ble Void



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· Corrosive to metals

· Desensitised explosives

May be corrosive to metals. 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.

to the state of the state

• 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

 \cdot Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

3332-27-2 tetradecyl dimethylaminoxide

Oral LD50 1,495 mg/kg (Rat)

10213-79-3 sodium metasilicate

Dermal LD50 >5,000 mg/kg (Rat)

1310-58-3 potassium hydroxide

Oral LD50 333 mg/kg (Rat)

· Skin corrosion/irritation Causes severe skin burns and eye damage.

 \cdot Serious eye damage/irritation Causes serious eye damage.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- \cdot 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.

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· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

Aquatic toxicity:				
1310-73-2 so	dium 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	15 min 22 mg/l (Photobacterium phosphoreum)			
3332-27-2 tet	radecyl dimethylaminoxide			
LC50	2.4 mg/l (fish)			
EC50	0.19 mg/l (F16)			
	2.64 mg/l (Daphnia magna)			
NOEC	0.067 mg/l (F16)			
10213-79-3 s	odium metasilicate			
LC50/96 h	n 210 mg/l (Brachydanio rerio)			
EC50/48 h	n 1,700 mg/l (Daphnia magna)			
EC50/72 h	h >345 mg/l (Desmodesmus subspicatus) (DIN 38412 T9)			
EC50/96 h	216 mg/l (Daphnia magna)			
EC50/3h	>100 mg/l (STP) (OECD 209 / ISO 8192)			
1310-58-3 po	tassium hydroxide			
LC50/96 h	80 mg/l (Gambusia affinis)			
	165 mg/l (Poecilia reticulata)			

• **12.2 Persistence and degradability** No further relevant information available.

• **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

Other information: 204 mg/l (0,1 %)

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· Additional ecological information:

- · COD-value: 204000 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 organic complexing agents.

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

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 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.

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

SECTION 14: Transport information		
· 14.1 UN number or ID number · ADR, IMDG, IATA	UN1824	
· 14.2 UN proper shipping name		
· ADR	1824 SODIUM HYDROXIDE SOLUTION	
· IMDG, IATA	SODIUM HYDROXIDE SOLUTION	
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EU —

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14.3 Transport hazard class(es)	
ADR	
\mathbf{V}	
Class Label	8 (C5) Corrosive substances.
	0
IMDG, IATA	
1 Alexandree and the second se	
Class	8 Corrosive substances.
Label	8
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Corrosive substances.
Hazard identification number (Kemler code): EMS Number:	80 F-A,S-B
Segregation groups	Alkalis
Stowage Category	A
Segregation Code	SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IMO instruments	
	Not applicable.
Transport/Additional information:	
ADR	51
Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1
	Maximum net quantity per inner packaging: 30 ml
Transport astagory	Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code	3 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 1824 SODIUM HYDROXIDE SOLUTION, 8, III

SECTION 15: Regulatory information

- \cdot 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.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

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.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008

Corrosive to metals On basis of test data

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Skin corrosion/irritatio	n The clas	<i>(Contd. of pag</i> ssification of the mixture is generally based on the calculation
		using substance data according to Regulation (EC) No 1272/200
Department issuin	g SDS: CSD-D	
Contact:		
Department CSD-D		
Tel.: +49-7195-14-254	48	
productsafety.manage	ement@de.kaercher.c	com
Version number of	previous version:	: 6
Abbreviations and	-	
		nandises dangereuses par route (European Agreement Concerning the International
Carriage of Dangerous Goo	ds by Road)	
IMDG: International Maritime		IS
IATA: International Air Trans GHS: Globally Harmonised		d Labelling of Chamicala
EINECS: European Inventor		
ELINCS: European List of N		
CAS: Chemical Abstracts S		
VOC: Volatile Organic Com	bounds (USA, EU)	
DNEL: Derived No-Effect Le		
LC50: Lethal concentration,		
LD50: Lethal dose, 50 perce PBT: Persistent, Bioaccumu		
vPvB: very Persistent and ve		
Met. Corr.1: Corrosive to me		
Acute Tox. 4: Acute toxicity		
Skin Corr. 1A: Skin corrosio		
Skin Corr. 1B: Skin corrosio	n/irritation – Category 1B	
Skin Irrit. 2: Skin corrosion/i		
Eye Dam. 1: Serious eye da		
STOT SE 3: Specific target		
		- acute aquatic hazard – Category 1
•		nt - long-term aquatic hazard – Category 2
* Data compared to	o the previous vers	sion altered.
0.011-667.0	RM 43/3	2.344
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