

**Safety Data Sheet  
according to GHS**

Printing date 12.02.2021

Version number 5

Revision: 22.06.2020

**1 Identification**

- **Product identifier**
- **Trade name: PressurePro Foam Cleaner, alkaline RM 58**
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Alkaline cleaner/ detergent

- **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](http://www.karcher.com)

- **Further information obtainable from:**

Department CSD-D  
Tel.: +49-7195-14-2548  
[productsafety.management@de.karcher.com](mailto: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 identification**

- **Classification of the substance or mixture**  
Met. Corr.1 H290 May be corrosive to metals.  
Skin Corr. 1A 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).

- **Hazard pictograms**



GHS05

- **Signal word** Danger

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

sodium hydroxide

· **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/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.

· **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.

### 3 Composition / information on ingredients

· **Chemical characterisation: Mixtures**

· **Description:**

Cleaning agent

Mixture consisting of the following components.

· **Dangerous components:**

68891-38-3	sodium lauryl ether sulfate	☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315	≥5-<10%
68515-73-1	alkyl polyglucoside	☠ Eye Dam. 1, H318	5-10%
1310-73-2	sodium hydroxide	☠ Met. Corr.1, H290; Skin Corr. 1A, H314	≥2-<5%
78330-20-8	fatty alcohol ethoxylate	☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302	≥1-<3%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants, non-ionic surfactants	≥5 - <15%
perfumes (LIMONENE, CITRAL)	

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

### 4 First-aid measures

· **Description of first aid measures**

· **General information**

Involve doctor immediately.

Immediately remove any clothing soiled by the product.

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**Trade name: PressurePro Foam Cleaner, alkaline RM 58***(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.  
Immediately rinse with water.

**· 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**

Causes severe skin burns and eye damage.

**· Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Fire-fighting measures****· Extinguishing media**

**· Suitable extinguishing agents** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

**· For safety reasons unsuitable extinguishing agents** Water with full jet.

**· Special hazards arising from the substance or mixture** No further relevant information available.

**· Advice for firefighters**

**· Protective equipment:** Wear fully protective suit.

**· 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:**

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 item 13.  
Ensure adequate ventilation.

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· **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.

· **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:**

- 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 item 7.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**1310-73-2 sodium hydroxide**

PEL (USA)	Long-term value: 2 mg/m <sup>3</sup>
REL (USA)	Ceiling limit: 2 mg/m <sup>3</sup>
TLV (USA)	Ceiling limit: 2 mg/m <sup>3</sup>

· **Exposure controls**

· **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.

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· **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.

· **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)

· **Body protection:**

Apron

Boots

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid  
Colour: Yellow

· **Odour:** citrus-like

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 13.1

· **pH-value 1 %:** 11.4

· **pH 1 % dem.** 12.1

· **Change in condition**

Melting point/freezing point: -5 °C  
Initial boiling point and boiling range: 100 °C

· **Flash point:** Not applicable

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

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· <b>Ignition temperature:</b>	not applicable
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Vapour pressure at 20 °C:</b>	23 hPa
· <b>Density at 20 °C:</b>	1.064 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
dynamic at 20 °C:	12.5 mPas
kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
VOC (EC)	0.02 %
Solids content:	19.7 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** corresponds to 10.3
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions**  
Corrosive action on metals  
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**

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

**78330-20-8 fatty alcohol ethoxylate**

Oral	ATE	500 mg/kg (Rat)
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- **Primary irritant effect:**

- **Skin corrosion/irritation**

Strong caustic effect on skin and mucous membranes.

Caustic effect on skin and mucous membranes.

- **Serious eye damage/irritation**

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

### 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**68891-38-3 sodium lauryl ether sulfate**

LC50	>10-100 mg/l (fish)
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EC50	>100 mg/l (bacteria)
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**68515-73-1 alkyl polyglucoside**

LC50/96 h	126 mg/l (fish)
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EC50/48 h	>100 mg/l (Daphnia magna)
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**1310-73-2 sodium hydroxide**

LC50/96 h	125 mg/l (Gambusia affinis)
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EC50/48 h	76 mg/l (Daphnia magna)
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EC50/15 min	22 mg/l (Photobacterium phosphoreum)
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- **Persistence and degradability** No further relevant information available.

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· **Behaviour in environmental systems:**

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

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

· **Additional ecological information:**

· **COD-value:** 350000 mg/l

· **General notes:**

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

The product does not contain organic complexing agents.

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.

In compliance with the prescribed application parameters, the product does not lead to stable emulsions.

Do not allow product to reach ground water, water course or sewage system.

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

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.

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

### 14 Transport information

· **UN-Number**  
· **ADR, IMDG, IATA**

UN1824

· **UN proper shipping name**  
· **ADR**  
· **IMDG, IATA**

1824 SODIUM HYDROXIDE SOLUTION  
SODIUM HYDROXIDE SOLUTION

· **Transport hazard class(es)**

· **ADR**



· **Class**  
· **Label**

8 (C5) Corrosive substances.  
8

· **IMDG, IATA**



· **Class**  
· **Label**

8 Corrosive substances.  
8

· **Packing group**  
· **ADR, IMDG, IATA**

II

· **Environmental hazards:**

· **Marine pollutant:**

No

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

Warning: Corrosive substances.  
80  
F-A,S-B  
Alkalis  
A  
SG35 Stow "separated from" SGG1-acids

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

Not applicable.

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**· Transport/Additional information:**

**· ADR**

- Limited quantities (LQ) 1L
- Excepted quantities (EQ) Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml
- Transport category 2
- Tunnel restriction code E

**· IMDG**

- Limited quantities (LQ) 1L
- Excepted quantities (EQ) Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

- UN "Model Regulation": UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II

### 15 Regulatory information

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

**· Philippines Inventory of Chemicals and Chemical Substances**

7732-18-5	water
68891-38-3	sodium lauryl ether sulfate
68515-73-1	alkyl polyglucoside
1310-73-2	sodium hydroxide
78330-20-8	fatty alcohol ethoxylate
5989-27-5	(R)-p-mentha-1,8-diene
5392-40-5	Citral
140-11-4	benzyl acetate
17511-60-3	Tricyclodecenyl propionate
32210-23-4	4-tert-butylcyclohexyl acetate
99-87-6	p-cymene
586-62-9	terpinolene
18479-58-8	Dihydromyrcenol
78-70-6	Linalool
106-23-0	citronellal
122-40-7	alpha-Amylcinnamaldehyde
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one
79-92-5	camphene
80-56-8	alpha-Pinene
98-55-5	alpha-Terpineol

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112-31-2	decanal
112-45-8	10-undecenal
141-97-9	ethyl acetoacetate
99-86-5	p-mentha-1,3-diene
103-45-7	phenethyl acetate
124-13-0	octanal
31906-04-4	Hydroxy-methylpentylcyclohexenecarboxaldehyde
587-98-4	sodium 3-(p-anilinophenylazo)benzenesulphonate
106-24-1	Geraniol
106-22-9	dl-Citronellol

- **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.
- **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.

- **Department issuing SDS:** CSD-D
- **Contact:**  
Department CSD-D  
Tel.: +49-7195-14-2548  
productsafety.management@de.kaercher.com
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport 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)  
VOC: Volatile Organic Compounds (USA, EU)  
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 - oral – Category 4  
Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- **\* Data compared to the previous version altered.**

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