according to 1907/2006/EC, Article 31

Printing date 17.11.2023

KÄRCHER

Version number 7 (replaces version 6)

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

1.1 Product identifier

Trade name: PressurePro Foam Cleaner, acidic RM 59

- **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)

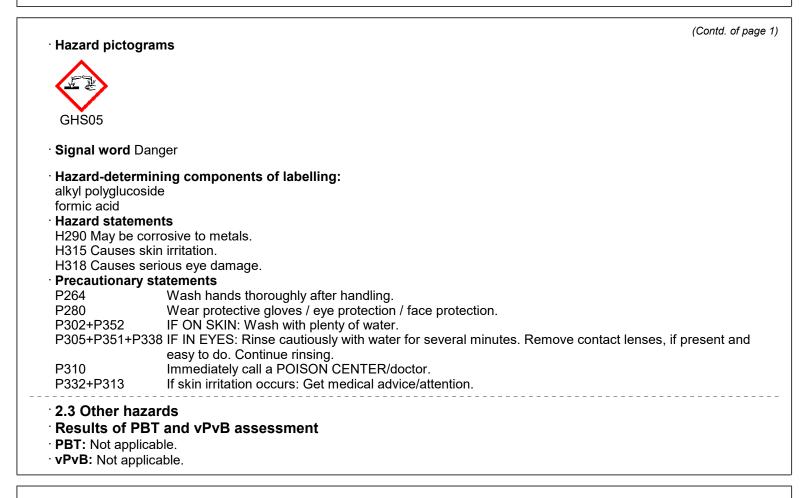
SECTION 2: Hazards identification

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 Irrit. 2 H315 Causes skin irritation. 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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SECTION 3: Composition/information on ingredients

[•] 3.2 Mixtures

• Description:

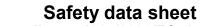
Cleaning agent

Mixture consisting of the following components.

· Dangerous components: CAS: 5949-29-1 citric acid ·H□O ≥5-<10%</td> EINECS: 201-069-1 Index number: 607-750-00-3 Pipe Irrit. 2, H319; STOT SE 3, H335 ≥5-<10%</td> Index number: 01-2119457026-42-0000 (Contd. on page 3)



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		(Contd. of page)
CAS: 68515-73-1 NLP: 500-220-1 Reg.nr.: 01-2119488530-36	alkyl polyglucoside	5-10%
CAS: 64-18-6 EINECS: 200-579-1 Index number: 607-001-00-0	formic acid	≥5-<10%
CAS: 151-21-3 EINECS: 205-788-1 Reg.nr.: 01-2119489461-32-0000	sodium dodecyl sulphate È Eye Dam. 1, H318;	≥2.5-<5%
[·] Regulation (EC) No 648/2004	on detergents / Labelling for contents	
non-ionic surfactants		≥5 - <15%
	anionic surfactants	

SECTION 4: First aid measures

[•] 4.1 Description of first aid measures

- · General information Involve doctor immediately.
- [•] 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

Rinse with warm water.

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. If symptoms persist consult doctor.

* 4.2 Most important symptoms and effects, both acute and delayed Corneal 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.

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- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.
- 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 Not required.

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). 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 eves 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: Keep away from food, beverages and feed.

· Further information about storage conditions: Protect from frost.

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



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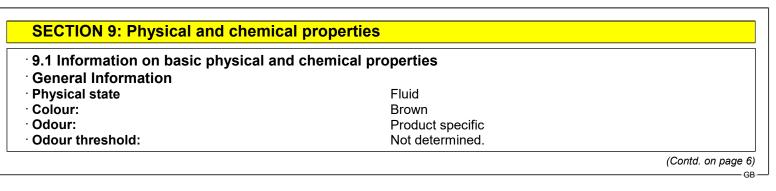
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SECTION 8: Exposure controls/personal protection [•] 8.1 Control parameters Ingredients with limit values that require monitoring at the workplace: 64-18-6 formic acid WEL Long-term value: 9.6 mg/m³, 5 ppm [•] 8.2 Exposure controls • Appropriate engineering 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 skin. Avoid contact with the eyes and skin. · Respiratory protection: Not necessary if room is well-ventilated. 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) • For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Nitrile rubber, NBR Eye/face protection Tightly sealed goggles (EN 166) Body protection: Protective work clothing.





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	(Contd. of pag
Melting point/freezing point:	-4 °C
Boiling point or initial boiling point and boiling range	100 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable
Auto-ignition temperature:	not applicable
Decomposition temperature:	Not determined.
pH at 20 °C	2.1
pH-value 1 %:	3-4
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.065 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Relative gas density Particle characteristics	Not determined.
	Not applicable.
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:	16.9 %
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
	(Contd. on pa



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Self-heating substances and mixtures	Void	
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	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 Corrosive action on metals

Reacts with alkali (lyes) Forms hydrogen in aqueous solution with metals Reacts with light alloys to form hydrogen

• **10.4 Conditions to avoid** No further relevant information available.

10.5 Incompatible materials:

Not suitable for surfaces that are attacked by acids (limestone, marble, brick, aluminium, etc.).

• 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.

· LD/LC50 values relevant for classification:

5949-29-1 citric acid ·H O

Oral LD50 5400 mg/kg (mouse) (OECD 401)

64-18-6 formic acid

LD50 Oral 730 mg/kg (Rat)

Inhalative LC50/4 h 7.85 mg/l (Rat)

151-21-3 sodium dodecyl sulphate

LD50 1200 mg/kg (Rat) Oral

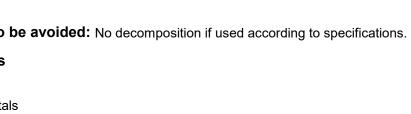
· Skin corrosion/irritation Causes skin irritation.

· Serious eye damage/irritation Causes serious eye damage.

• Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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· 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:

5949-29-1 citric acid ·H O

LC50/96 h	440-760 mg/l (Leuciscus idus) (OECD 203)

LC50/24 h 1535 mg/l (Daphnia magna)

- LC50/168 h 425 mg/l (Scenedesmus quadricauda)
- LC50/16 h >10000 mg/l (Pseudomonas putida)
- EC50/72 h 120 mg/l (Daphnia magna)

68515-73-1 alkyl polyglucoside

LC50/96 h 100.81 mg/l (Brachydanio rerio)

- EC50/72 h 27.22 mg/l (Aquatic plants)
- EC10/21 d 1.76 mg/l (Daphnia magna)
- 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

- [•] Additional ecological information:
- · COD-value: 260.000 mg/l
- · General notes:

The product does not contain organic complexing agents.

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

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.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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 information		
 14.1 UN number or ID number ADR, IMDG, IATA 	UN3412	
	0113412	
14.2 UN proper shipping name		
ADR	3412 FORMIC ACID	
· IMDG, IATA	FORMIC ACID	
[·] 14.3 Transport hazard class(es)		
ADR		
*		
Class	8 (C3) Corrosive substances.	
		(Contd. on page 10



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Label	8
IMDG, IATA	
Class	8 Corrosive substances.
Label	8
14.4 Packing group	
ADR, IMDG, IĂTA	III
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Corrosive substances.
EMS Number:	F-A,S-B
Segregation groups	(SGG1) Acids, (SGG1) acids
Stowage Category	A
Stowage Code	SW2 Clear of living quarters.
14.7 Maritime transport in bulk according	g to IMO
instruments	Not applicable.
Transport/Additional information:	

UN "Model Regulation":	UN 3412 FORMIC ACID, 8, III
 IMDG 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 	Maximum net quantity per outer packaging: 30 mi Maximum net quantity per outer packaging: 1000 ml 3 E

SECTION 15: Regulatory information

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

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Directive 2012/18/EU

· Limited quantities (LQ)

· Excepted quantities (EQ)

· Named dangerous substances - ANNEX I None of the ingredients is listed.

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[•] 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 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. H331 Toxic if inhaled. H335 May cause respiratory 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) 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 Acute Tox. 3: Acute toxicity – Category 3 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 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 Data compared to the previous version altered. 0.011-670.0 RM 59/12 2.441



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