

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name:** PressurePro Foam Cleaner, neutral RM 57
- **Recommended use of the chemical and restrictions on use** Restricted to professional users.
- **Application of the substance / the mixture** High pressure cleaner
- **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

Karcher Cleaning Systems Sdn. Bhd.
No. 5 Jalan Perintis U1/52
Kawasan Perindustrian Temasya Glenmarie
40150 Shah Alam
Selangor Darul Ehsan
Malaysia
Phone: +60-3-55670510

Internet: www.karcher.com
- **Further information obtainable from:**

Regulatory Affairs
Tel.: +49-7195-14-0
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**
Skin Irrit. 2 H315 Causes skin irritation.
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).

(Contd. on page 2)

MY

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

Trade name: PressurePro Foam Cleaner, neutral RM 57

(Contd. of page 1)

· Hazard pictograms



GHS05

· Signal word Danger

· Hazard-determining components of labelling:

sodium lauryl ether sulfate
fatty alcohol ethoxylate

· Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

· Precautionary statements

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
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.
P332+P313 If skin irritation occurs: Get medical advice/attention.

· Other hazards

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

3 Composition and information of the ingredients of the hazardous chemical

· Chemical characterisation: Mixtures

· Description: Cleaning agent

· Dangerous components:

68891-38-3	sodium lauryl ether sulfate	10-20%
	☞ Eye Dam. 1, H318; ☞ Skin Irrit. 2, H315; Aquatic Chronic 3, H412	
78330-20-8	fatty alcohol ethoxylate	≥1-<3%
	☞ Eye Dam. 1, H318; ☞ Acute Tox. 4, H302	

· 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.
· **After inhalation** Supply fresh air; consult doctor in case of complaints.
· **After skin contact**
Rinse with warm water.
Immediately rinse with water.

(Contd. on page 3)

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

Trade name: PressurePro Foam Cleaner, neutral RM 57

(Contd. of page 2)

- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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** Not required.
- **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.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Ensure adequate ventilation.
- **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.

MY

(Contd. on page 4)

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

Trade name: PressurePro Foam Cleaner, neutral RM 57

(Contd. of page 3)

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:** No special requirements.
- **Information about storage in one common storage facility:** Keep away from food, beverages and feed.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and 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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls**
- **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:** 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 in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**
* butyl rubber 0,7 mm, 480 min

(Contd. on page 5)

MY

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

Trade name: PressurePro Foam Cleaner, neutral RM 57

(Contd. of page 4)

· 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)

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid

Colour: Blue

· Odour: Product specific

· Odour threshold: Not determined.

· pH-value at 20 °C: 6.7

· pH-value 1 %: 6-8

· Change in condition

Melting point/freezing point 0 °C

Initial boiling point and boiling range 100 °C

· Flash point: Not applicable

· Flammability (solid, gas) Not applicable.

· Ignition temperature: not applicable

· Decomposition temperature: Not determined.

· Auto-ignition temperature Product is not selfigniting.

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

· Explosion limits:

Lower: Not determined.

Upper: Not determined.

· Vapour pressure: Not determined.

· Density at 20 °C: 1.019 g/cm³

· Relative density Not determined.

· Vapour density Not determined.

· Evaporation rate Not determined.

· Solubility in / Miscibility with

Water: Fully miscible

· Partition coefficient: n-octanol/water Not determined.

(Contd. on page 6)

MY

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

Trade name: PressurePro Foam Cleaner, neutral RM 57

(Contd. of page 5)

· Viscosity:	
dynamic at 20 °C:	4 mPas
kinematic:	Not determined.
· Solvent content:	
Solids content:	13.7 %
· Other information	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** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**
78330-20-8 fatty alcohol ethoxylate

Oral | ATE | 500 mg/kg (Rat)

- **Primary irritant effect:**
- **Skin corrosion or irritation** Causes skin irritation.
- **Serious eye damage or eye irritation** Causes serious eye damage.
- **Respiratory / skin sensitization** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **Specific target organ toxicity (STOT) – single exposure**
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (STOT) – repeated exposure**
Based on available data, the classification criteria are not met.

(Contd. on page 7)

MY

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

Trade name: PressurePro Foam Cleaner, neutral RM 57

(Contd. of page 6)

· **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological information

· Toxicity

· Aquatic toxicity:

68891-38-3 sodium lauryl ether sulfate

LC50/96 h	>1-10 mg/l (Brachydanio rerio) (OECD 203)
EC50/48 h	>1-10 mg/l (Daphnia magna) (OECD 202)
EC50/72 h	>10-100 mg/l (Algae) (OECD 201)
EC50 (static)	>10000 mg/l (Pseudomonas putida)
NOEC (dynamic)	0.27 mg/l /(21 d) (Daphnia magna) (OECD 211)
	0.14 mg/l /(28 d) (Oncorhynchus mykiss) (OECD 204)

78330-20-8 fatty 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)

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

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

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

· **Additional ecological information:**

· **COD-value:** 256.000 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.

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

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

(Contd. on page 8)

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

Trade name: PressurePro Foam Cleaner, neutral RM 57

(Contd. of page 7)

· **Other adverse effects** No further relevant information available.

13 Disposal information

· **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.

14 Transportation information

· **UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **Packing group**

· **ADR, IMDG, IATA** Void

· **Environmental hazards:**

· **Marine pollutant:** No

· **Special precautions for user** Not applicable.

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

Not applicable.

· **UN "Model Regulation":**

Void

MY

(Contd. on page 9)

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 01.04.2023

Version number 7

Revision: 06.09.2021

Trade name: PressurePro Foam Cleaner, neutral RM 57

(Contd. of page 8)

15 Regulatory information

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

· **Contact:**

Regulatory Affairs

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

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

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Irrit. 2: Skin corrosion or irritation – Category 2

Eye Dam. 1: Serious eye damage or eye irritation – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - chronic hazard – Category 3

· *** Data compared to the previous version altered.**

· 0-011-669-0

RM 57/21

2-439

MY