

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

Printing date 31.01.2026

Version number 4

Revision: 08.08.2023

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name:** Stone floor cleaner RM 537
- **Recommended use of the chemical and restrictions on use** No further relevant information available.
- **Application of the substance / the mixture** Floor 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.
Lot 4, Jalan Pengarah U1/29
Hicom-Glenmarie Industrial Park
40150 Shah Alam, Selangor, Malaysia
Phone: 1-300-22-3188

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: +1-703-527-3887 (collect calls accepted)

2 Hazard identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

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

Printing date 31.01.2026

Version number 4

Revision: 08.08.2023

Trade name: Stone floor cleaner RM 537

(Contd. of page 1)

3 Composition and information of the ingredients of the hazardous chemical

· **Chemical characterisation:** Mixtures

· **Description:** Cleaning agent

· **Dangerous components:**

64-17-5	ethyl alcohol	1-5%
	Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	
3811-73-2	sodium pyrithione	≥0.0025-<0.025%
	Acute Tox. 3, H311; Acute Tox. 3, H331; STOT RE 1, H372; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	

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

4 First-aid measures

· **Description of first aid measures**

· **After inhalation** Supply fresh air; consult doctor in case of complaints.

· **After skin contact** Generally the product does not irritate the skin.

· **After eye contact** Rinse opened eye for several minutes under running water.

· **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:** No special measures required.

· **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

(Contd. on page 3)

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

Printing date 31.01.2026

Version number 4

Revision: 08.08.2023

Trade name: Stone floor cleaner RM 537

(Contd. of page 2)

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required
- **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).
- **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** No special precautions are necessary if used correctly.
- **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:** None.
- **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 section 7.
- **Control parameters**

Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethyl alcohol

PEL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV (USA)	Short-term value: 1000 ppm
A3	

- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** Wash hands before breaks and at the end of work.

(Contd. on page 4)

MY

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

Printing date 31.01.2026

Version number 4

Revision: 08.08.2023

Trade name: Stone floor cleaner RM 537

(Contd. of page 3)

- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:** Not required
- **Material of gloves:** Not required
- **Penetration time of glove material:** Not required
- **Eye protection:** Not required

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	Blue
Odour:	citrus-like
Odour threshold:	Not determined

· **pH-value at 20 °C:** 8.5

· **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:** Not applicable

· **Auto-ignition temperature:** not applicable

· **Decomposition temperature:** Not determined

· **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:** 0.999 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

· Viscosity:

dynamic at 20 °C: 3.3 mPas

(Contd. on page 5)

MY

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

Printing date 31.01.2026

Version number 4

Revision: 08.08.2023

Trade name: Stone floor cleaner RM 537

(Contd. of page 4)

kinematic: Not determined

· 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:**

64-17-5 ethyl alcohol

Oral LD50 >10000 mg/kg (Rat)

3811-73-2 sodium pyrithione

Oral LD50 500 mg/kg (ATE)

Dermal LD50 790 mg/kg (ATE)

- **Primary irritant effect:**
- **Skin corrosion or irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage or eye irritation** Based on available data, the classification criteria are not met.
- **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.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

MY

(Contd. on page 6)

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

Printing date 31.01.2026

Version number 4

Revision: 08.08.2023

Trade name: Stone floor cleaner RM 537

(Contd. of page 5)

12 Ecological information

· Toxicity

· Aquatic toxicity:

3811-73-2 sodium pyrithione

LC50/96 h	0.00767 mg/l (Danio rerio) (OECD 203)
EC50/48 h	0.022 mg/l (Daphnia magna) (OECD 202)
EC50/72 h	0.46 mg/l (F29) (OECD 201)
NOEC	0.08 mg/l // 72 h (F29) (OECD 201)

· 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:

· 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 product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· Results of PBT and vPvB assessment

· PBT: Not applicable

· vPvB: Not applicable

· 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.

(Contd. on page 7)

MY

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

Printing date 31.01.2026

Version number 4

Revision: 08.08.2023

Trade name: Stone floor cleaner RM 537

(Contd. of page 6)

· European waste catalogue

20 01 30 | detergents other than those mentioned in 20 01 29

· Uncleaned packaging:

· Recommendation:

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, 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:

Not applicable

· 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

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.

(Contd. on page 8)

MY

Safety Data Sheet
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Revision: 08.08.2023

Trade name: Stone floor cleaner RM 537*(Contd. of page 7)*

A product information sheet can be provided if requested.

· 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

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

Flam. Liq. 2: Flammable liquids – Category 2

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

Acute Tox. 3: Acute toxicity - oral – Category 3

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

Eye Irrit. 2: Serious eye damage or eye irritation – Category 2

Skin Sens. 1: Skin sensitization – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - chronic hazard – Category 2

· * Data compared to the previous version altered.**· 0-011-696-0 RM 537/7 2-692**

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