

**Safety data sheet  
according to UK REACH**

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****· 1.1 Product identifier****· Trade name:** Natural floor cleaner RM 538N**· 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** Floor 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](http://www.karcher.com)**· Further information obtainable from:**

Regulatory Affairs

Tel.: +49-7195-14-0

[productsafety.management.de@karcher.com](mailto: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**

The product is not classified, according to the GB CLP regulation.

**· 2.2 Label elements****· Labelling according to Regulation (EC) No 1272/2008** Void**· Hazard pictograms** Void**· Signal word** Void

(Contd. on page 2)

Safety data sheet  
according to UK REACH

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

Trade name: Natural floor cleaner RM 538N

· Hazard statements Void

(Contd. of page 1)

## SECTION 3: Composition/information on ingredients

## · 3.2 Mixtures

· Description: Cleaning agent

## · Dangerous components:

|                                                                          |                                                                         |        |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------|--------|
| CAS: 57-55-6<br>EINECS: 200-338-0<br>Reg.nr.: 01-2119456809-23-xxxx      | Propylene glycol<br>substance with a Community workplace exposure limit | ≥1-≤5% |
| CAS: 1235390-87-0<br>ELINCS: 444-850-4<br>Reg.nr.: 01-0000018776-57-0000 | D-pentose, oligomeric, C5 alkyl glycosides<br>⚠ Eye Irrit. 2, H319      | 1-5%   |

· 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

· 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.

· 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

No further relevant information available.

## SECTION 5: Firefighting measures

## · 5.1 Extinguishing media

## · Suitable extinguishing agents

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

## · 5.3 Advice for firefighters

· Protective equipment: No special measures required.

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

GB

(Contd. on page 3)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

Trade name: Natural floor cleaner RM 538N

(Contd. of page 2)

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **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).
- **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** No special precautions are necessary if used correctly.
- **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:** No special requirements.
- **Information about storage in one common storage facility:** Keep away from food, beverages and feed.
- **Further information about storage conditions:** None.
- **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:

##### 57-55-6 Propylene glycol

|     |                                                         |
|-----|---------------------------------------------------------|
| WEL | Long-term value: 474* 10** mg/m <sup>3</sup> , 150* ppm |
|     | *total vapour and particulates **particulates           |

#### · DNELs

##### 57-55-6 Propylene glycol

|            |      |                                  |
|------------|------|----------------------------------|
| Oral       | DNEL | 85 mg/kg×d (consumer)            |
| Dermal     | DNEL | 213 mg/kg×d (consumer)           |
| Inhalative | DNEL | 168 mg/m <sup>3</sup> (employee) |
|            |      | 50 mg/m <sup>3</sup> (consumer)  |

(Contd. on page 4)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

**Trade name: Natural floor cleaner RM 538N**

(Contd. of page 3)

### · PNECs

#### 57-55-6 Propylene glycol

|      |                        |
|------|------------------------|
| PNEC | 26 mg/l (marine water) |
|      | 2000 mg/l (STP)        |

### · 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** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Hand protection** Not required.
- **Material of gloves** Not required.
- **Penetration time of glove material** Not required.
- **Eye/face protection** Not required.

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

- |                                                            |                         |
|------------------------------------------------------------|-------------------------|
| · Physical state                                           | Liquid                  |
| · Colour:                                                  | Light yellow            |
| · Odour:                                                   | fresh                   |
| · Odour threshold:                                         | Not determined.         |
| · Melting point/freezing point:                            | 0 °C                    |
| · Boiling point or initial boiling point and boiling range | undetermined            |
| · 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                                              | 5.2                     |
| · pH-value 1 %:                                            | 7-9                     |
| · 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:                                        | 1.008 g/cm <sup>3</sup> |
| · Relative density                                         | Not determined.         |
| · Vapour density                                           | Not determined.         |
| · Relative gas density                                     | Not determined.         |

(Contd. on page 5)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

Trade name: Natural floor cleaner RM 538N

(Contd. of page 4)

|                                                                                 |                                               |
|---------------------------------------------------------------------------------|-----------------------------------------------|
| · Particle characteristics                                                      | 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. |
| · 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                                          |
| · 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                                                           | Void                                          |
| · 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** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

GB

(Contd. on page 6)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

Trade name: Natural floor cleaner RM 538N

(Contd. of page 5)

### 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:

##### 57-55-6 Propylene glycol

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | 22000 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/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

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

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:

##### 57-55-6 Propylene glycol

|           |                                  |
|-----------|----------------------------------|
| LC50/96 h | 40613 mg/l (Oncorhynchus mykiss) |
|-----------|----------------------------------|

##### 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) |
|------|------------------------------------|

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.

(Contd. on page 7)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

**Trade name: Natural floor cleaner RM 538N**

(Contd. of page 6)

### · 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:**

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

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

## 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 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.

## SECTION 14: Transport information

### · 14.1 UN number or ID number

· **ADR, IMDG, IATA**

Void

### · 14.2 UN proper shipping name

· **ADR, IMDG, IATA**

Void

(Contd. on page 8)

## Safety data sheet according to UK REACH

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

**Trade name: Natural floor cleaner RM 538N**

(Contd. of page 7)

### · 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class Void

### · 14.4 Packing group

· ADR, IMDG, IATA Void

### · 14.5 Environmental hazards:

Not applicable.

### · 14.6 Special precautions for user

Not applicable.

### · 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

### · UN "Model Regulation":

Void

## SECTION 15: Regulatory information

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

#### · Poisons Act

#### · Regulated explosives precursors

None of the ingredients is listed.

#### · Regulated poisons

None of the ingredients is listed.

#### · Reportable explosives precursors

None of the ingredients is listed.

#### · Reportable poisons

1310-58-3 potassium hydroxide

17% of total caustic alkalinity

#### · 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.

· 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

H319 Causes serious eye irritation.

(Contd. on page 9)

GB

**Safety data sheet  
according to UK REACH**

Printing date 25.07.2025

Version number 4 (replaces version 3)

Revision: 22.07.2025

**Trade name: Natural floor cleaner RM 538N***(Contd. of page 8)***· 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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

**· \* Data compared to the previous version altered.****· 0·011·090·0 RM 538N/3 2·843**