

**Safety data sheet  
according to UK REACH**

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name: Bike Cleaner RM 44G****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** Detergent**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: +1-703-527-3887 (collect calls accepted)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

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.

(Contd. on page 2)

GB

## Safety data sheet according to UK REACH

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

Trade name: Bike Cleaner RM 44G

(Contd. of page 1)

### · Hazard pictograms



GHS05

### · Signal word Danger

### · Hazard statements

H318 Causes serious eye damage.

### · Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear eye protection / face protection.

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.

## SECTION 3: Composition/information on ingredients

### · 3.2 Mixtures

### · Description: Cleaning agent

### · Dangerous components:

|                                                                        |                                                                                                                                                                                                                                                                           |          |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CAS: 7320-34-5<br>EINECS: 230-785-7<br>Reg.nr.: 01- 2119489369-18-xxxx | tetrapotassium pyrophosphate<br>⚠ Eye Irrit. 2, H319                                                                                                                                                                                                                      | ≥5-<10%  |
| EC number: 931-296-8<br>Reg.nr.: 01-2119488533-30-0001                 | 1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts<br>⚠ Eye Dam. 1, H318; Aquatic Chronic 3, H412<br>Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 %<br>Eye Irrit. 2; H319: 4 % ≤ C < 10 % | ≥2.5-<4% |
| CAS: 68891-38-3<br>NLP: 500-234-8<br>Reg.nr.: 01-2119488639-16-XXXX    | sodium lauryl ether sulfate<br>⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412<br>Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 %<br>Eye Irrit. 2; H319: 5 % ≤ C < 10 %                                                                      | ≥1-<2.5% |

· **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.

(Contd. on page 3)

## Safety data sheet according to UK REACH

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Version number 6 (replaces version 5)

Revision: 15.01.2024

**Trade name: Bike Cleaner RM 44G**

(Contd. of page 2)

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.

### 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** Avoid contact with eyes 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:** No special requirements.

· **Information about storage in one common storage facility:** Keep away from food, beverages and feed.

· **Further information about storage conditions:** None.

(Contd. on page 4)

Safety data sheet  
according to UK REACH

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

Trade name: Bike Cleaner RM 44G

(Contd. of page 3)

· **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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **PNECs**

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

|               |                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------|
| PNEC          | 10000 mg/l (STP) (Assessment factor: 1)                                                            |
| PNEC sediment | 0.917 mg/kg (freshwater) (sediment dw)<br>0.092 mg/kg (marine water) (sediment dw)                 |
| PNEC soil     | 7.5 mg/kg (Assessment factor: 100)                                                                 |
| PNEC aqua     | 0.24 mg/l (freshwater) (Assessment factor: 5)<br>0.024 mg/l (marine water) (Assessment factor: 50) |

· **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**



Tightly sealed goggles (EN 166)

SECTION 9: Physical and chemical properties

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

· **General Information**

|                                                                   |                |
|-------------------------------------------------------------------|----------------|
| · <b>Physical state</b>                                           | Liquid         |
| · <b>Colour:</b>                                                  | Blue           |
| · <b>Odour:</b>                                                   | citrus-like    |
| · <b>Odour threshold:</b>                                         | Not determined |
| · <b>Melting point/freezing point:</b>                            | undetermined   |
| · <b>Boiling point or initial boiling point and boiling range</b> | 100 °C         |
| · <b>Flammability</b>                                             | Not applicable |

(Contd. on page 5)

## Safety data sheet according to UK REACH

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

**Trade name: Bike Cleaner RM 44G**

(Contd. of page 4)

|                                                     |                         |
|-----------------------------------------------------|-------------------------|
| · 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                                       | 8.3                     |
| · Viscosity:                                        |                         |
| · Kinematic viscosity                               | Not determined          |
| · dynamic at 20 °C:                                 | 98 mPas                 |
| · 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:                                 | 1.122 g/cm <sup>3</sup> |
| · Relative density                                  | Not determined          |
| · Vapour density                                    | Not determined          |
| · Relative gas density                              | Not determined          |

### · 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 |

(Contd. on page 6)

## Safety data sheet according to UK REACH

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

Trade name: Bike Cleaner RM 44G

(Contd. of page 5)

· 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

### 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:**
**1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts**

|      |      |                  |
|------|------|------------------|
| Oral | LD50 | 2335 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** Causes serious eye damage.
- **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.

GB

(Contd. on page 7)

Safety data sheet  
according to UK REACH

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

Trade name: Bike Cleaner RM 44G

(Contd. of page 6)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18 (even numbered) acyl derivs., hydroxides, inner salts

|            |                                           |
|------------|-------------------------------------------|
| LC50/96 h  | 1.11 mg/l (Pimephales promelas)           |
| EC50/48 h  | 1.9 mg/l (Daphnia magna)                  |
| EC0 (16 h) | 3000 mg/l (Pseudomonas putida)            |
| ErC50/72h  | 2.4 mg/l (Desmodesmus subspicatus)        |
| NOEC       | 0.6 mg/l (Desmodesmus subspicatus) (72 h) |
|            | 0.3 mg/l (Daphnia magna) (21 d)           |
|            | 0.135 mg/l (Oncorhynchus mykiss) (37 d)   |

68891-38-3 sodium lauryl ether sulfate

|                |                                                    |
|----------------|----------------------------------------------------|
| LC50/96 h      | 7.1 mg/l (Brachydanio rerio) (OECD 203)            |
| EC50/48 h      | 7.4 mg/l (Daphnia magna) (OECD 202)                |
| EC50/72 h      | 27.7 mg/l (Algae) (OECD 201)                       |
| EC50 (static)  | >10000 mg/l (Pseudomonas putida)                   |
| NOErC          | 0.95 mg/l (algae)                                  |
| NOEC (dynamic) | 0.27 mg/l /(21 d) (Daphnia magna) (OECD 211)       |
|                | 0.14 mg/l /(28 d) (Oncorhynchus mykiss) (OECD 204) |

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.

Degree of elimination:

68891-38-3 sodium lauryl ether sulfate

|           |              |
|-----------|--------------|
| OECD 301D | ≥77 % (28 d) |
|-----------|--------------|

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.

(Contd. on page 8)

## Safety data sheet according to UK REACH

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

**Trade name: Bike Cleaner RM 44G**

(Contd. of page 7)

- **12.7 Other adverse effects**
- **Additional ecological information:**
- **COD-value:** 150000 mg/l
- **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 organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

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 29* | detergents containing hazardous substances |
|-----------|--------------------------------------------|

- **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

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**
- **Class**

Void

(Contd. on page 9)



## Safety data sheet according to UK REACH

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

**Trade name: Bike Cleaner RM 44G**

(Contd. of page 8)

- |                                                                       |                |
|-----------------------------------------------------------------------|----------------|
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>               | Void           |
| · <b>14.5 Environmental hazards:</b>                                  | Not applicable |
| · <b>14.6 Special precautions for user</b>                            | Not applicable |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable |
| · <b>UN "Model Regulation":</b>                                       | 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**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 10)

**Safety data sheet  
according to UK REACH**

Printing date 23.01.2026

Version number 6 (replaces version 5)

Revision: 15.01.2024

**Trade name: Bike Cleaner RM 44G***(Contd. of page 9)***· 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)

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

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

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

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

· 0-011-374-0

RM 44 G/16

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