

**Safety data sheet
according to UK REACH**

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** Plastic Cleaner 3-in-1 RM 613**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 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: +1-703-527-3887 (collect calls accepted)

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

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613

(Contd. of page 1)

Hazard pictograms



GHS07

Signal word Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

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

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves / 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.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P337+P313 If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:

CAS: 121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine	≥1-<2.5%
EC number: 939-464-2		
Reg.nr.: 01-2119971970-28-0001	Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 50 % Skin Irrit. 2; H315: 1 % ≤ C < 50 %	

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

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

After skin contact Immediately wash with water and soap and rinse thoroughly.

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.

(Contd. on page 3)

**Safety data sheet
according to UK REACH**

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613*(Contd. of page 2)*

- **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**
CO₂, 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).
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 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.

(Contd. on page 4)

Safety data sheet according to UK REACH

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613

(Contd. of page 3)

- **Information about storage in one common storage facility:** Keep away from food, beverages and feed.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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

121617-08-1 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine

PNEC	0.268 mg/l (freshwater)
	0.0268 mg/l (marine water)
	7 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**
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.
- **Hand protection**



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.

Eye/face protection



Tightly sealed goggles (EN 166)

GB

(Contd. on page 5)

Safety data sheet according to UK REACH

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613

(Contd. of page 4)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Orange
Odour:	citrus-like
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	6-8
pH-value 1 %:	6-8
Viscosity:	
Kinematic viscosity	Not determined
dynamic at 20 °C:	940 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:	1.008 g/cm ³
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

(Contd. on page 6)

Safety data sheet according to UK REACH

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613

(Contd. of page 5)

· 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

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:

121617-08-1 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine

Oral	LD50	2925 mg/kg (Rat) (OECD 401)
------	------	-----------------------------

3811-73-2 sodium pyrithione

Oral	LD50	500 mg/kg (ATE)
------	------	-----------------

Dermal	LD50	790 mg/kg (ATE)
--------	------	-----------------

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **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.

(Contd. on page 7)

Safety data sheet according to UK REACH

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613

(Contd. of page 6)

- **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:

121617-08-1 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine

LC50/96 h	>1-10 mg/l (Brachydanio rerio) (OECD 203)
EC50/48 h (static)	>10-100 mg/l (Daphnia magna) (OECD 202)
EC50/72 h (static)	>10-100 mg/l (Desmodesmus subspicatus) (OECD 201)
EC10/18 h	50 mg/l (Pseudomonas putida)
NOEC	2.8 mg/l (Daphnia magna) (OECD TG 202, Zeil 2)
	1 mg/l (Lepomis macrochirus)

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.
- **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:** 34.000 mg/l

· General notes:

The product does not contain organic complexing agents.

(Contd. on page 8)

Safety data sheet according to UK REACH

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613

(Contd. of page 7)

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 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
-------------------	------

· 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

(Contd. on page 9)

Safety data sheet according to UK REACH

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613

(Contd. of page 8)

· **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**

1310-73-2	sodium hydroxide	12% of total caustic alkalinity
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**

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

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

(Contd. on page 10)

Safety data sheet according to UK REACH

Printing date 17.07.2026

Version number 9 (replaces version 8)

Revision: 16.10.2025

Trade name: Plastic Cleaner 3-in-1 RM 613
(Contd. of page 9)

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 Corr. 1C: Skin corrosion/irritation – Category 1C
 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.**

· 0·011-378·0 RM 613/9 2·870