

**Safety data sheet**  
**according SS 586 : Part 3**

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

## 1 Identification

· **Product identifier**

· **Trade name: Plastic Cleaner 3in1 RM 613**

· **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

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Alfred Kärcher SE & Co. KG  
Alfred-Kärcher-Str. 28-40  
D - 71364 Winnenden

Postfach 160  
D - 71349 Winnenden

Tel.: +49-7195-14-0  
Fax : +49-7195-14-2212

www.karcher.com  
Karcher South East Asia Pte. Ltd.  
3 Depot Close 05-01  
Singapore 109840  
Tel: +65-6897-1811  
Fax: +65-6897-1611

· **Further information obtainable from:**

Department PCD-D  
Tel.: +49-7195-14-2548  
Fax : +49-7195-14-3164  
safetydata@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 Hazards identification

· **Classification of the substance or mixture**

Skin Irrit. 2 H315 Causes skin irritation.

· **Label elements**

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

(Contd. on page 2)

**Safety data sheet**  
according SS 586 : Part 3

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

**Trade name: Plastic Cleaner 3in1 RM 613**

(Contd. of page 1)

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

H315 Causes skin irritation.

· **Precautionary statements**

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P280 Wear eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

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

· **Other hazards**

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

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

**3 Composition/information on ingredients**

· **Chemical characterisation: Mixtures**

· **Description:** Cleaning agent

· **Dangerous components:**

121617-08-1	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with triethanolamine	≥1-≤2.5%
	Skin Corr. 1C, H314; Eye Dam. 1, H318	

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

anionic surfactants, non-ionic surfactants, preservation agents (METHYLISOTHIAZOLINONE (< 0,01%), BENZISOTHIAZOLINONE (< 0,005%))	<5%
perfumes (LIMONENE)	

· **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**

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.

(Contd. on page 3)

**Safety data sheet**  
**according SS 586 : Part 3**

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

**Trade name: Plastic Cleaner 3in1 RM 613**

(Contd. of page 2)

- **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** *Use fire extinguishing methods suitable to surrounding conditions.*
- **For safety reasons unsuitable extinguishing agents** *Water with full jet.*
- **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.*

### 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**  
*No dangerous substances are released.*  
*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**  
*Ensure good ventilation/exhaustion at the workplace.*  
*Prevent formation of aerosols.*

(Contd. on page 4)

**Safety data sheet**  
**according SS 586 : Part 3**

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

**Trade name: Plastic Cleaner 3in1 RM 613**

(Contd. of page 3)

- 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/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**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.  
Not necessary if room is well-ventilated.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



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.

(Contd. on page 5)

**Safety data sheet**  
according SS 586 : Part 3

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

**Trade name: Plastic Cleaner 3in1 RM 613**

(Contd. of page 4)

· **Eye protection:**



Tightly sealed goggles (EN 166)

## 9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

· <b>Form:</b>	Fluid
· <b>Colour:</b>	Orange
· <b>Odour:</b>	citrus-like
· <b>Odour threshold:</b>	Not determined.

· <b>pH-value at 20 °C:</b>	6.8
· <b>pH-value 1 %:</b>	7.5

· **Change in condition**

· <b>Melting point/freezing point:</b>	0 °C
· <b>Initial boiling point and boiling range:</b>	100 °C

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** 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:**

· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.

· **Vapour pressure:** Not determined.

· <b>Density at 20 °C:</b>	1.008 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.

· **Solubility in / Miscibility with**

· **Water:** Fully miscible

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

· **Viscosity:**

· **dynamic:** Not determined.

(Contd. on page 6)

**Safety data sheet**  
**according SS 586 : Part 3**

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

**Trade name: Plastic Cleaner 3in1 RM 613**

(Contd. of page 5)

<b>kinematic at 20 °C:</b>	390 s (DIN 53211/4)
<b>· Solvent content:</b>	
<b>Organic solvents:</b>	0.6 %
<b>VOC (EC)</b>	0.06 %
<b>Solids content:</b>	3.9 %
<b>· Other information</b>	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**

- **LD/LC50 values relevant for classification:**

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

Oral | LD50 | 2,925 mg/kg (Rat) (OECD 401)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation** Irritating effect.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
Irritant
- **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.
- **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.

SG  
(Contd. on page 7)

**Safety data sheet**  
**according SS 586 : Part 3**

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

**Trade name: Plastic Cleaner 3in1 RM 613**

(Contd. of page 6)

## 12 Ecological information

· **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) (Wachstumshemmung; Bringmann & Kühn)
NOEC	2.8 mg/l (Daphnia magna) (OECD TG 202, Zeil 2)
	1 mg/l (Lepomis macrochirus)

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

· **Other information:** The product is biodegradable.

· **Behaviour in environmental systems:**

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

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

· **Additional ecological information:**

· **COD-value:** 34000 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.

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.

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

## 13 Disposal considerations

· **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.

· **Uncleaned packaging:**

· **Recommendation:**

Packaging may be reused or recycled after cleaning.

(Contd. on page 8)

**Safety data sheet**  
**according SS 586 : Part 3**

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

**Trade name: Plastic Cleaner 3in1 RM 613**

(Contd. of page 7)

*Non contaminated packagings may be recycled.*

· **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

### **14 Transport information**

· <b>UN-Number</b>	Void
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	Void
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	Void
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>Class</b>	Void
· <b>Packing group</b>	Void
· <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### **15 Regulatory information**

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

- **Relevant phrases**  
*H314 Causes severe skin burns and eye damage.*

(Contd. on page 9)



**Safety data sheet**  
**according SS 586 : Part 3**

Printing date 20.09.2019

Version number 4

Revision: 10.04.2018

**Trade name: Plastic Cleaner 3in1 RM 613**

(Contd. of page 8)

*H318 Causes serious eye damage.*

· **Department issuing SDS: PCD-D**

· **Contact:**

Department PCD-D

Tel.: +49-7195-14-2548

Fax : +49-7195-14-3164

safetydata@karcher.com

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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)

VOC: Volatile Organic Compounds (USA, EU)

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

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

· 0-011-378-0

RM 613/4

2-176