

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.12.2014

Version number 2

Revision: 15.08.2013

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name:** *Insect Remover 3in1 RM 618*

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

· **Sector of Use** SU21 Consumer uses: Private households / general public / consumers

· **Product category** PC35 Washing and cleaning products (including solvent based products)

· **Environmental release category**

ERC8a Wide dispersive indoor use of processing aids in open systems

ERC8d Wide dispersive outdoor use of processing aids in open systems

· **Application of the substance / the mixture** Detergent

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

· **Manufacturer/Supplier:**

Alfred Kärcher GmbH & 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

· **Further information obtainable from:**

Department PDE-D

Tel.: +49-7195-14-2398

Fax : +49-7195-14-3164

safetydata@karcher.com

· **1.4 Emergency telephone number:** Tel.: 0049 30 30686 790 Giftnotruf Berlin

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC not applicable**

· **Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **2.2 Label elements**

· **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals

The product has not been classified and marked in accordance with EU Directives / respective national laws.

· **Safety phrases:**

2 Keep out of the reach of children.

23 Do not breathe vapour/spray.

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.







SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:**

Mixture of substances listed below with non-hazardous additions.
Cleaning agent

· **Dangerous components:**

CAS: 7320-34-5 EINECS: 230-785-7 Reg.nr.: 01- 2119489369-18	tetrapotassium pyrophosphate  Xi R36  Eye Irrit. 2, H319	3,0-10%
CAS: 61789-40-0 EINECS: 263-058-8	Cocoamidopropylbetaine  Xi R41  Eye Dam. 1, H318	< 3,0%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37-XXXX	sodium p-cumenesulphonate  Xi R36  Eye Irrit. 2, H319	< 3,0%

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

phosphates	5 - 15%
amphoteric surfactants, anionic surfactants, preservation agents (Tetramethylol acetylenediurea, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE)	< 5%
CITRONELLOL	

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

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

- **General information** No special measures required.
- **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.

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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.
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **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.

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**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **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:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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- **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.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** *Do not inhale gases / fumes / aerosols.*
- **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:** *Not required.*
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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 protection:** *Goggles recommended during refilling.*

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SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

· Form:	Fluid
· Colour:	Blue
· Odour:	Specific type
· Odour threshold:	Not determined.
- **pH-value at 20 °C:** 8,3
- **pH-value 1 %:** 7,2
- **Change in condition**

· Melting point/Melting range:	0 °C
· Boiling point/Boiling range:	100 °C
- **Flash point:** > 100 °C
- **Flammability (solid, gaseous)** *Not applicable.*
- **Ignition temperature:** *not applicable*
- **Decomposition temperature:** *Not determined.*
- **Self-igniting:** *Product is not selfigniting.*
- **Danger of explosion:** *Product does not present an explosion hazard.*

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· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure: Not determined.	
· Density at 20 °C: 1,074 g/cm ³	
· 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:	11,7 mPas
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0,0 %
VOC (EC)	0,50 %
Solids content:	14,5 %
· 9.2 Other information No further relevant information available.	

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 toxicological effects**
- **Acute toxicity:**

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

7320-34-5 tetrapotassium pyrophosphate

Inhalative	LC50	>2000 mg/kg (mus)
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61789-40-0 Cocoamidopropylbetaine

Dermal	LD50	> 2000 mg/kg (Rat) (OECD-404)
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Inhalative	LC50	> 6000 mg/kg (Rat) (OECD 401)
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15763-76-5 sodium p-cumenesulphonate

Dermal	LD50	> 2000 mg/kg (can)
Inhalative	LC50	> 2000 mg/kg (Rat) (OECD 401)

· **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitisation:** No sensitising effects known.

· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

61789-40-0 Cocoamidopropylbetaine

EC50/48 h	6,5 mg/l (Daphnia magna)
EC50/72 h	1,5 mg/l (Desmodesmus subspicatus)
LC50/96 h	1,11 mg/l (fish)
NOEC	0,32 mg/l (Daphnia magna)

15763-76-5 sodium p-cumenesulphonate

EC50/48 h	> 100 mg/l (Daphnia magna)
EC50/96 h	> 100 mg/l (Algae)
LC50	> 5 mg/l (Rat) (232 min)
LC50/96 h	> 100 mg/l (Oncorhynchus mykiss)

· **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.

· **Additional ecological information:**

· **CSB-value:** 380000 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 product to reach ground water, water course or sewage system.

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

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Hand over to hazardous waste disposers.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· **Uncleaned packaging:**

· **Recommendation:** Non contaminated packagings may be recycled.

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

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR, ADN, 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:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable.

· **14.7 Transport in bulk according to Annex II of**

MARPOL73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

No further relevant information available.

· **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.

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· **Relevant phrases**

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

· **Department issuing MSDS: PDE-D**

· **Contact:**

Department PDE-D

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

· 0.011-302.0

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