

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

Printing date 07.03.2015

Version number 1

Revision: 02.03.2015

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

· **1.1 Product identifier**

· **Trade name: Motorcycle Cleaner 3in1 RM 44**

· **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 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**

Xi; Irritant

R36: Irritating to eyes.

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

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **2.2 Label elements**

· **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals

The product has been marked in accordance with EU Directives / respective national laws.

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· **Code letter and hazard designation of product:**



Xi Irritant

· **Risk phrases:**

36 Irritating to eyes.

· **Safety phrases:**

2 Keep out of the reach of children.

23 Do not breathe vapour/spray.

39 Wear eye/face protection.

51 Use only in well-ventilated areas.

56 Dispose of this material and its container to hazardous or special waste collection point.

· **2.3 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.

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	3,0-10%
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%
CAS: 68411-30-3 EINECS: 270-115-0 Reg.nr.: 01-2119489428-22-XXXX	alkylbenzene sulfonic acid, sodium salt Xn R22; Xi R38-41 Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	< 3,0%

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

phosphates	5 - 15%
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<i>amphoteric surfactants, anionic surfactants, preservation agents (Tetramethylol acetylenediurea, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE), perfumes</i>	< 5%
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<i>CITRONELLOL, LINALOOL, BENZYL SALICYLATE</i>	
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· **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**
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Rinse with warm water.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **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** Use fire extinguishing methods suitable to surrounding conditions.
- **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.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
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:** Keep receptacle tightly sealed.
 - **Storage class VCI storage class:** 12
- **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.
- **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**
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:**
Rubber gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - **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.

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· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

* butyl rubber 0,7 mm, 480 min

· **As protection from splashes gloves made of the following materials are suitable:**

* nitril rubber 0,4 mm, 30 min

· **Eye protection:**



Tightly sealed goggles.

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Fluid

Colour: Blue

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 8,4

· **pH-value 1 %:** 8,4

· **Change in condition**

Melting point/Melting range: undetermined

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.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Vapour pressure at 20 °C:** 23,0 hPa

· **Density at 20 °C:** 1,15 g/cm³

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

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- | | |
|---|--|
| · 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: | 1,0 % |
| VOC (EC) | 1,00 % |
| Solids content: | 28,5 % |
| · 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)
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Inhalative	LC50	> 2000 mg/kg (Rat) (OECD 401)
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68411-30-3 alkylbenzene sulfonic acid, sodium salt

Oral	LD50	650 mg/kg (Rat)
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Inhalative	LC50	> 2000 mg/kg (Rat) (OECD 401)
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- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Strong irritant with the danger of severe eye injury.

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· **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

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

61789-40-0 Cocoamidopropylbetaine

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

15763-76-5 sodium p-cumenesulphonate

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

68411-30-3 alkylbenzene sulfonic acid, sodium salt

EC50/48 h	> 1 - 10 mg/l (<i>Daphnia magna</i>) (OECD 202)
EC50/72 h	> 10 - 100 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)
LC50/96 h	> 1 - 10 mg/l (<i>Cyprinus carpio</i>) (OECD 203)

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

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

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

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

· **Additional ecological information:**

· **General notes:**

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 undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

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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**

07 06 01*	aqueous washing liquids and mother liquors
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· **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.

· **Transport/Additional information:** Not dangerous according to the above specifications.

SECTION 15: Regulatory information

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

· **National regulations**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

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· **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**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

· **Department issuing MSDS: PDE-D**

· **Contact:**

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

· 0.011-698.0 / RM 44 G/10 / 1.734