

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

· **1.1 Product identifier**

· Trade name: **RM 755 ES ASF**

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

· **Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· **Process category**

PROC7 Industrial spraying

PROC11 Non industrial spraying

· **Environmental release category**

ERC8b Wide dispersive indoor use of reactive substances in open systems

ERC8d Wide dispersive outdoor use of processing aids in open systems

· **Application of the substance / the preparation** Floor cleaner

· **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

Internet: www.karcher.com

· **Further information obtainable from:**

Karcher Pty Ltd, Australia

Tel.: +61 3 9765 2300

Fax : +61 3 9765 2399

marketing@karcher.com.au

· **1.4 Emergency telephone number:** Tel.: 24 Hour Emergency Chemical Response 1800 033 111

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:**

51 Use only in well-ventilated areas.

· **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.

Page 2

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



Printing date 30.10.2012

Version number 2

Revision: 30.10.2012

Trade name: RM 755 ES ASF

(Contd. of page 1)

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterization: Mixtures**

· **Description:**

Mixture of substances listed below with non-hazardous additions.

Cleaning agent

· **Dangerous components:**

CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol ☉ Xn R20/21/22; ☉ Xi R36/38 ☒ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	5,5%
CAS: 111905-52-3	aliph. alcohols, C8-C14, lin., ethoxylated, butoxylated ☉ Xi R38 ☒ Eye Dam. 1, H318; ☒ Skin Irrit. 2, H315	1,8%
CAS: 15763-76-5 EINECS: 239-854-6	sodium p-cumenesulphonate ☉ Xi R36 ☒ Eye Irrit. 2, H319	1,6%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol ☉ Xi R36; ☉ F R11 R67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	1,2%
· Regulation (EC) No 648/2004 on detergents / Labelling for contents		
non-ionic surfactants		< 5%

· **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**

If symptoms persist consult doctor.

Rinse out mouth and then drink plenty of water.

· **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.

· **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.

(Contd. on page 3)

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

Printing date 30.10.2012

Version number 2

Revision: 30.10.2012

Trade name: RM 755 ES ASF

(Contd. of page 2)

- **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).
- **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.
- **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.

· **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

111-76-2 2-butoxyethanol

IOELV	Short-term value: 246 mg/m ³ , 50 ppm
	Long-term value: 98 mg/m ³ , 20 ppm
	Skin

- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** 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.

(Contd. on page 4)

EU

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

Printing date 30.10.2012

Version number 2

Revision: 30.10.2012

Trade name: RM 755 ES ASF

(Contd. of page 3)

- **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.

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:	11,4
· pH-value 1 %:	7,4

· Change in condition

· Melting point/Melting range:	-4 °C
· Boiling point/Boiling range:	100 °C

· Flash point:	78 °C
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· Flammability (solid, gaseous)	Not applicable.
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· Ignition temperature:

· Decomposition temperature:	Not determined.
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· Self-igniting:	Product is not selfigniting.
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· 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.
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· Density at 20 °C:	1,003 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

· Solubility in / Miscibility with

· Water:	Fully miscible
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· Partition coefficient (n-octanol/water):	Not determined.
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· Viscosity:

· dynamic at 20 °C:	4 mPas
· kinematic:	Not determined.

· Solvent content:

· Organic solvents:	5,9 %
· Water:	89,1 %
· VOC (EC)	6,70 %

· Solids content:	5,0 %
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(Contd. on page 5)

Trade name: RM 755 ES ASF

(Contd. of page 4)

- **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:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **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:** No further relevant information available.
- **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:** 223000 mg/l
- **General notes:**
The product does not contain organically bounded halogens (AOX-free).
The product does not contain organic complexing agents.
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.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 6)

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

Printing date 30.10.2012

Version number 2

Revision: 30.10.2012

Trade name: RM 755 ES ASF

(Contd. of page 5)

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

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.

· European waste catalogue

07 06 01*	aqueous washing liquids and mother liquors
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· Uncleaned packaging:

· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. 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
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· 14.2 UN proper shipping name

· ADR, ADN, IMDG, IATA	Void
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· 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA	Void
· Class	

· 14.4 Packing group

· ADR, IMDG, IATA	Void
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· 14.5 Environmental hazards:

· Marine pollutant:	No
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· 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.
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SECTION 15: Regulatory information

- **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.

(Contd. on page 7)

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

Printing date 30.10.2012

Version number 2

Revision: 30.10.2012

Trade name: RM 755 ES ASF

(Contd. of page 6)

· **Relevant phrases**

- H225 *Highly flammable liquid and vapour.*
- H302 *Harmful if swallowed.*
- H312 *Harmful in contact with skin.*
- H315 *Causes skin irritation.*
- H318 *Causes serious eye damage.*
- H319 *Causes serious eye irritation.*
- H332 *Harmful if inhaled.*
- H336 *May cause drowsiness or dizziness.*
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- R11 *Highly flammable.*
- R20/21/22 *Harmful by inhalation, in contact with skin and if swallowed.*
- R36 *Irritating to eyes.*
- R36/38 *Irritating to eyes and skin.*
- R38 *Irritating to skin.*
- R67 *Vapours may cause drowsiness and dizziness.*

· **Department issuing MSDS: PDE-D**

· **Contact:**

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

- 0.011-610.0 RM 755ES/7 1.745