

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

Printing date 31.03.2023

Version number 6 (replaces version 5)

Revision: 01.09.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking· **1.1 Product identifier**· **Trade name: Foam Blocker RM 761**· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Restricted to professional users.

· **Application of the substance / the mixture** Defoamers, Anti-foaming agent· **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.kaercher.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: +1 703-741-5970 (collect calls accepted)

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

Eye Irrit. 2 H319 Causes serious eye irritation.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

· **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 1907/2006/EC, Article 31

Printing date 31.03.2023

Version number 6 (replaces version 5)

Revision: 01.09.2021

Trade name: Foam Blocker RM 761

(Contd. of page 1)

· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labelling:**

aliphatic hydrocarbons

· **Hazard statements**

H319 Causes serious eye irritation.

H304 May be fatal if swallowed and enters airways.

· **Precautionary statements**

P280 Wear eye protection / face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **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 Mixtures**

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

· **Dangerous components:**

CAS: 1335203-17-2 EC number: 934-956-3 Reg.nr.: 01-2119827000-58	Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics ⚠ Asp. Tox. 1, H304	≥10-≤30%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44-xxxx	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	10%
CAS: 1174522-45-2 EC number: 934-954-2	Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics ⚠ Asp. Tox. 1, H304	≥5-≤10%
CAS: 104-76-7 EINECS: 203-234-3	2-Ethyl-1-hexanol ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥5-<10%

(Contd. on page 3)

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

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Version number 6 (replaces version 5)

Revision: 01.09.2021

Trade name: Foam Blocker RM 761*(Contd. of page 2)*

- **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** 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.

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**

Wear protective clothing.

· 6.2 Environmental precautions:

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

No dangerous substances are released.

See Section 7 for information on safe handling

(Contd. on page 4)

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

Printing date 31.03.2023

Version number 6 (replaces version 5)

Revision: 01.09.2021

Trade name: Foam Blocker RM 761

(Contd. of page 3)

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** 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.
- **Information about storage in one common storage facility:** Keep away from food, beverages and feed.
- **Further information about storage conditions:**
Store under lock and key and out of the reach of children.
Protect from frost.
- **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:**

112-34-5 2-(2-butoxyethoxy)ethanol

WEL	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
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104-76-7 2-Ethyl-1-hexanol

WEL	Long-term value: 5.4 mg/m ³ , 1 ppm
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· 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**
Avoid close or long term contact with the skin.
Do not eat or drink while working.
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Hand protection**
* chemical resistant protective gloves (EN 374)
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**
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 5)

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

Printing date 31.03.2023

Version number 6 (replaces version 5)

Revision: 01.09.2021

Trade name: Foam Blocker RM 761

(Contd. of page 4)

- **Penetration time of glove material** Not required.
- **For the permanent contact gloves made of the following materials are suitable:**
 - * butyl rubber 0,7 mm, 480 min (EN 374)
- **As protection from splashes gloves made of the following materials are suitable:**
 - * nitril rubber 0,4 mm, 30 min (EN 374)
- **Eye/face protection**



Tightly sealed goggles (EN 166)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

- | | |
|---|----------------------------------|
| · Physical state | Fluid |
| · Colour: | Opaque |
| · Odour: | Product specific |
| · Odour threshold: | Not determined. |
| · Melting point/freezing point: | < -20 °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 |
| · Ignition temperature: | not applicable |
| · Decomposition temperature: | Not determined. |
| · pH | Not applicable. |
| · Viscosity: | |
| · Kinematic viscosity | Not determined. |
| · dynamic at 20 °C: | 16.5 mPas |
| · Solubility | |
| · Water: | Not miscible or difficult to mix |
| · Partition coefficient n-octanol/water (log value) | Not determined. |
| · Vapour pressure: | Not determined. |
| · Density and/or relative density | |
| · Density at 20 °C: | 0.855 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Relative gas density | Not determined. |
| · Particle characteristics | Not applicable. |

(Contd. on page 6)

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

Printing date 31.03.2023

Version number 6 (replaces version 5)

Revision: 01.09.2021

Trade name: Foam Blocker RM 761

(Contd. of page 5)

· 9.2 Other information

· Appearance:

· Form: Fluid

· Important information on protection of health and environment, and on safety.

· Auto-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

· 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.

(Contd. on page 7)

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

Printing date 31.03.2023

Version number 6 (replaces version 5)

Revision: 01.09.2021

Trade name: Foam Blocker RM 761

(Contd. of page 6)

· **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:**

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	2410 mg/kg (mouse) (OECD 401)
Dermal	LD50	2764 mg/kg (Rabbit)

104-76-7 2-Ethyl-1-hexanol

Oral	LD50	3290 mg/kg (Rat)
Dermal	LD50	>3000 mg/kg (Rat) (OECD 402)

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **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.

· **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** May be fatal if swallowed and enters airways.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

1335203-17-2 Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

LC50/96 h >1028 mg/l (fish)

112-34-5 2-(2-butoxyethoxy)ethanol

LC50/96 h	1300 mg/l (Lepomis macrochirus)
EC10/16 h	1170 mg/l (Pseudomonas putida)
EC50/24 h	2850 mg/l (Daphnia magna) (DIN 38412)
NOEC	>100 mg/l (Desmodesmus subspicatus)

1174522-45-2 Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

LL50/96 h 1028 mg/l (fish)

(Contd. on page 8)

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

Printing date 31.03.2023

Version number 6 (replaces version 5)

Revision: 01.09.2021

Trade name: Foam Blocker RM 761

(Contd. of page 7)

104-76-7 2-Ethyl-1-hexanol

LC50/96 h	17.1 mg/l (Leuciscus idus)
EC50/48 h	39 mg/l (Daphnia magna)
EC50/72 h	11.5 mg/l (Desmodesmus subspicatus)

· **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.

· **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:** 737000 mg/l

· **General notes:**

The product does not contain organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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 07 04*	other organic solvents, washing liquids and mother liquors
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· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

GB

(Contd. on page 9)

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

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Version number 6 (replaces version 5)

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Trade name: Foam Blocker RM 761

(Contd. of page 8)

SECTION 14: Transport information

· 14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 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.
- **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**
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.

(Contd. on page 10)

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

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Version number 6 (replaces version 5)

Revision: 01.09.2021

Trade name: Foam Blocker RM 761*(Contd. of page 9)*

H335 May cause respiratory irritation.

· Contact:

Regulatory Affairs

Tel.: +49-7195-14-0

productsafety.management@de.kaercher.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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

· * Data compared to the previous version altered.

· 0-011-337-0

RM 761/2-1

1-844