

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name:** CarpetPro Cleaner, quick-drying RM 767 OA
- **Recommended use of the chemical and restrictions on use** Restricted to professional users.
- **Application of the substance / the mixture** Spray extraction 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

Tel.: +49-7195-14-0

Karcher Cleaning Systems Sdn. Bhd.

No. 5 Jalan Perintis U1/52

Kawasan Perindustrian Temasya Glenmarie

40150 Shah Alam

Selangor Darul Ehsan

Malaysia

Phone: +60-3-55670510

Internet: www.karcher.com

- **Further information obtainable from:**

Regulatory Affairs

Tel.: +49-7195-14-0

productsafety.management.de@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 Hazard identification

- **Classification of the substance or mixture**

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**

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

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

P273 Avoid release to the environment.

(Contd. on page 2)

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

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

(Contd. of page 1)

3 Composition and information of the ingredients of the hazardous chemical

· **Chemical characterisation: Mixtures**

· **Description:** Cleaning agent

· **Dangerous components:**

57-13-6	urea	5-10%
57-55-6	Propylene glycol	≥1-≤5%
541-02-6	decamethylcyclopentasiloxane PBT; vPvB	≥0.1-≤1%
68424-85-1	Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)) ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	≥0.25-<1%
134737-05-6	Diquaternary polydimethylsiloxane ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411	≥0.25-<1%

· **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** 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.

· **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**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

(Contd. on page 3)

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

(Contd. of page 2)

- **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:**
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**
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.
- **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:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

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

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

57-13-6 urea

WEEL (USA) Long-term value: 10 mg/m³

(Contd. on page 4)

MY

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

(Contd. of page 3)

57-55-6 Propylene glycol		
WEEL (USA)	Long-term value: 10 mg/m³	

· DNELs

57-55-6 Propylene glycol		
Oral	DNEL	85 mg/kg×d (consumer)
Dermal	DNEL	213 mg/kg×d (consumer)
Inhalative	DNEL	168 mg/m3 (employee) 50 mg/m3 (consumer)

68424-85-1 Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))

Dermal	DNEL	5.7 mg/kg×d (employee)
Inhalative	DNEL	3.96 mg/m3 (employee) 1.64 mg/m3 (consumer)
Irritation of skin	DNEL	3.4 mg/cm2 (consumer)

· PNECs

57-55-6 Propylene glycol		
PNEC	26 mg/l (marine water) 2000 mg/l (STP)	

541-02-6 decamethylcyclopentasiloxane

PNEC	10 mg/l (STP) (Assessment factor: 100)	
PNEC sediment	11 mg/kg (freshwater) (Assessment factor: 10) 1.1 mg/kg (marine water) (Assessment factor: 100)	
PNEC soil	2.54 mg/kg (Assessment factor: 50)	
PNEC aqua	0.0012 mg/l (freshwater) (Assessment factor: 10) 0.00012 mg/l (marine water) (Assessment factor: 100)	

68424-85-1 Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))

PNEC	0.001 mg/l (freshwater) 0.001 mg/l (marine water) 0.4 mg/l (STP)	
PNEC sediment	12.27 mg/kg (freshwater) 13.09 mg/kg (marine water)	
PNEC soil	7 mg/kg (soil)	

- Exposure controls
- Personal protective equipment
- General protective and hygienic measures Wash hands before breaks and at the end of work.
- Respiratory protection: Not necessary if room is well-ventilated.
- Protection of hands: Not required.
- Material of gloves Not required.
- Penetration time of glove material Not required.
- Eye protection: Not required.

MY

(Contd. on page 5)

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

(Contd. of page 4)

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	Light yellow
Odour:	fresh
Odour threshold:	Not determined.

· pH-value at 20 °C: 6-8

· pH-value 1 %: 6-8

· Change in condition

Melting point/freezing point	0 °C
Initial boiling point and boiling range	100 °C

· Flash point: Not applicable

· Flammability (solid, gas) Not applicable.

· Auto-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:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure: Not determined.

· Density at 20 °C: 1.023 g/cm³

· 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:	3 mPas
kinematic:	Not determined.

· Other information No further relevant information available.

MY

(Contd. on page 6)

Safety Data Sheet

according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

(Contd. of page 5)

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** Based on available data, the classification criteria are not met.

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

57-55-6 Propylene glycol

Oral	LD50	22000 mg/kg (Rat)
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541-02-6 decamethylcyclotrisiloxane

Dermal	LD50	>15000 mg/kg (Rat)
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Inhalative	LC50	>5000 mg/kg (Rat)
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68424-85-1 Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))

Oral	LD50	344 mg/kg (Rat)
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Dermal	LD50	3340 mg/kg (Rabbit)
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134737-05-6 Diquaternary polydimethylsiloxane

Oral	LD50	>5000 mg/kg (Rat)
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- **Primary irritant effect:**
- **Skin corrosion or irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage or eye irritation** Based on available data, the classification criteria are not met.
- **Respiratory / skin sensitization** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **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.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (STOT) – single exposure** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity (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.

MY
(Contd. on page 7)

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

(Contd. of page 6)

12 Ecological information

· Toxicity

· Aquatic toxicity:

57-55-6 Propylene glycol

LC50/96 h 40613 mg/l (Oncorhynchus mykiss)

68424-85-1 Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))

LC50/96 h 0.28 mg/l (Pimephales promelas) (US-EPA)

0.515 mg/l (Lepomis macrochirus)

IC50/72 h 0.03 mg/l (Algae)

EC50/48 h 0.016 mg/l (Daphnia magna)

EC50/30 min 11 mg/l (activated sludge) (OECD 209)

ErC50/96h 0.049 mg/l (Pseudokirchneriella subcapitata)

NOEC 0.032 mg/l (Pimephales promelas)

0.0042 mg/l (Daphnia magna)

0.456 mg/l (Lepomis macrochirus)

134737-05-6 Diquaternary polydimethylsiloxane

LC50/96 h 30.8 mg/l (Danio rerio) (OECD 203)

EC50/48 h >200 mg/l (Daphnia magna) (OECD 202)

ErC50/72h 0.49 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

NOEC (dynamic) 0.313 mg/l / (72 h) (Pseudokirchneriella subcapitata) (OECD 201)

· Persistence and degradability No further relevant information available.

· Degree of elimination:

541-02-6 decamethylcyclopentasiloxane

OECD 310 0.14 % (28 d)

68424-85-1 Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))

OECD 301D 63 % (28 d)

· Behaviour in environmental systems:

· Bioaccumulative potential No further relevant information available.

· 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.

(Contd. on page 8)

MY

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

(Contd. of page 7)

The product does not contain organic complexing agents.
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.

· Results of PBT and vPvB assessment

· PBT:	
541-02-6	decamethylcyclopentasiloxane
· vPvB:	
541-02-6	decamethylcyclopentasiloxane

· Other adverse effects No further relevant information available.

13 Disposal information

· 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	
20 01 29*	detergents containing hazardous substances

· Uncleaned packaging:
· Recommendation:
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
· Recommended cleansing agents: Water, if necessary together with cleaning agents.

14 Transportation information

· UN-Number	
· ADR, IMDG, IATA	Void
· UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.

(Contd. on page 9)

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

(Contd. of page 8)

· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **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.
- **Other regulations, limitations and prohibitive regulations**

· Substances of very high concern (SVHC) according to REACH, Article 57	
541-02-6	decamethylcyclopentasiloxane

- **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.

- **Contact:**
Regulatory Affairs
Tel.: +49-7195-14-0
productsafety.management.de@karcher.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
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Corr. 1B: Skin corrosion or irritation – Category 1B
Eye Dam. 1: Serious eye damage or eye irritation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - chronic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - chronic hazard – Category 2

(Contd. on page 10)

MY

Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 29.03.2024

Version number 6

Revision: 21.03.2024

Trade name: CarpetPro Cleaner, quick-drying RM 767 OA

Aquatic Chronic 3: Hazardous to the aquatic environment - chronic hazard – Category 3

(Contd. of page 9)

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

· 0·011-960·0 RM 767/5 2·701