KÄRCHER

Safety data sheet
according to UK REACH

Printing date 27.03.2026 Version number 7 (replaces version 6) Revision: 08.03.2024

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

· **1.1 Product identifier**

· **Trade name: VehiclePro Kärcher Polish Plus RM 831**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Restricted to professional users.
· **Application of the substance / the mixture** Maintenance product

· **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@karcher.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: +1-703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

Eye Dam. 1	H318 Causes serious eye damage.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

· **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)

Safety data sheet
according to UK REACH

Printing date 27.03.2026 Version number 7 (replaces version 6) Revision: 08.03.2024

Trade name: VehiclePro Kärcher Polish Plus RM 831

(Contd. of page 1)

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Aminosiloxane
· **Hazard statements**
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
· **Precautionary statements**

P273	Avoid release to the environment.
P280	Wear eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

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

· **Dangerous components:**

CAS: 5131-66-8 EINECS: 225-878-4 Index number: 603-052-00-8 Reg.nr.: 01-2119475527-28-XXXX	propylene glycol monobutyl ether Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-5%
CAS: 71750-79-3	Aminosiloxane Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Irrit. 2, H315	≥3-<5%
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	1-5%
CAS: 541-02-6 EINECS: 208-764-9 Reg.nr.: 01-2119511367-43-0000	decamethylcyclopentasiloxane Non-classified vPvB substance. Non-classified PBT substance. Substance identified as having endocrine disrupting properties (II).	≥0.1-≤1%

· **SVHC**

541-02-6	decamethylcyclopentasiloxane

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

(Contd. on page 3)

Safety data sheet
according to UK REACH

Printing date 27.03.2026 Version number 7 (replaces version 6) Revision: 08.03.2024

Trade name: VehiclePro Kärcher Polish Plus RM 831

(Contd. of page 2)

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** 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.

(Contd. on page 4)

Safety data sheet
according to UK REACH

Printing date 27.03.2026 Version number 7 (replaces version 6) Revision: 08.03.2024

Trade name: VehiclePro Kärcher Polish Plus RM 831

(Contd. of page 3)

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:** None.

· **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/m³, 15 ppm Long-term value: 67.5 mg/m³, 10 ppm

· **PNECs**	
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)

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see section 7.
· **Individual protection measures, such as 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.
· **Hand protection** Not required
· **Material of gloves** Not required
· **Penetration time of glove material** Not required

(Contd. on page 5)

(Contd. of page 4)

· **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**	Liquid
· **Colour:**	Orange
· **Odour:**	Product specific
· **Odour threshold:**	Not determined
· **Melting point/freezing point:**	0 °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
· **Auto-ignition temperature:**	not applicable
· **Decomposition temperature:**	Not determined
· **pH at 20 °C**	3.5
· **pH-value 1 %:**	6-8
· **Viscosity:**	
· **Kinematic viscosity**	Not determined
· **dynamic at 20 °C:**	3 mPas
· **Solubility**	
· **Water:**	Fully miscible
· **Partition coefficient n-octanol/water (log value)**	Not determined
· **Vapour pressure:**	Not determined
· **Density and/or relative density**	
· **Density at 20 °C:**	0.997 g/cm³
· **Relative density**	Not determined
· **Vapour density**	Not determined
· **Relative gas density**	Not determined

· 9.2 Other information

· **Appearance:**

· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.

(Contd. on page 6)

Safety data sheet
according to UK REACH

Printing date 27.03.2026 Version number 7 (replaces version 6) Revision: 08.03.2024

Trade name: VehiclePro Kärcher Polish Plus RM 831

(Contd. of page 5)

· **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.

· **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:**		
5131-66-8 propylene glycol monobutyl ether		
Oral	LD50	3300 mg/kg (Rat)

(Contd. on page 7)

(Contd. of page 6)

112-34-5 2-(2-butoxyethoxy)ethanol		
Oral	LD50	2410 mg/kg (mouse) (OECD 401)
Dermal	LD50	2764 mg/kg (Rabbit)
541-02-6 decamethylcyclopentasiloxane		
Dermal	LD50	>15000 mg/kg (Rat)
Inhalative	LC50	>5000 mg/kg (Rat)

· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Causes serious eye damage.
· **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** Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**

· Endocrine disrupting properties		
541-02-6	decamethylcyclopentasiloxane	List II
540-97-6	Dodecamethylcyclohexasiloxane	List II
556-67-2	octamethylcyclotetrasiloxane	List II

SECTION 12: Ecological information

· **12.1 Toxicity**

· Aquatic toxicity:	
5131-66-8 propylene glycol monobutyl ether	
LC50/96 h	560-1000 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)

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

· Degree of elimination:	
5131-66-8 propylene glycol monobutyl ether	
OECD 301E	90 % (28 d)
112-34-5 2-(2-butoxyethoxy)ethanol	
OECD 301C	80-90 % (28 d)
OECD 301E	>70 % (28 d)

(Contd. on page 8)

(Contd. of page 7)

OECD 302B	100 % (28 d)
541-02-6 decamethylcyclopentasiloxane	
OECD 310	0.14 % (28 d)

· **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:**	
541-02-6	decamethylcyclopentasiloxane

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

· **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.

· **12.7 Other adverse effects**
· **Additional ecological information:**

· **General notes:**

The product does not contain organic complexing agents.

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

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**	
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.

SECTION 14: Transport information

· **14.1 UN number or ID number**
· **ADR, IMDG, IATA** Void

(Contd. on page 9)

Safety data sheet
according to UK REACH

Printing date 27.03.2026 Version number 7 (replaces version 6) Revision: 08.03.2024

Trade name: VehiclePro Kärcher Polish Plus RM 831

(Contd. of page 8)

· **14.2 UN proper shipping name** · **ADR, 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:**	Not applicable
· **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**
· **Poisons Act**

· **Regulated explosives precursors**
None of the ingredients is listed.

· **Regulated poisons**
None of the ingredients is listed.

· **Reportable explosives precursors**
None of the ingredients is listed.

· **Reportable poisons**
None of the ingredients is listed.

· **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.

· **Substances of very high concern (SVHC) according to UK REACH**	
541-02-6	decamethylcyclopentasiloxane

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. on page 10)

Safety data sheet
according to UK REACH

Printing date 27.03.2026 Version number 7 (replaces version 6) Revision: 08.03.2024

Trade name: VehiclePro Kärcher Polish Plus RM 831

(Contd. of page 9)

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**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

· **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
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)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

· 0·011-360·0 RM 831/1 2·730