

Safety Data Sheet
according to WHS Regulations

Date of issue: 26.09.2025

Version number 5

Revision: 17.07.2024

1 Identification

- **Other means of identification**
- **Trade name:** VehiclePro Klear!Dry RM 893
- **Relevant identified uses of the substance or mixture and uses advised against**
Restricted to professional users.
- **Application of the substance / the mixture** Drying aid for vehicle washing plants
- **Uses advised against** –

- **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 Pty. Ltd.
385 Ferntree Gully Rd
Mount Waverley, Victoria 3149
Victoria
Ph.: +61-3-9765-2300

Internet: www.karcher.com

- **Distributor:**
Kärcher Pty. Ltd.
385 Ferntree Gully Rd
Mount Waverley, Victoria 3149
Victoria
Ph.: +61-3-9765-2300
www.karcher.com.au
- **Email competent person:** productsafety.management@de.kaercher.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(s) Identification

- **Classification of the substance or mixture**
Skin corrosion/irritation – Category 2 H315 Causes skin irritation.

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Eye damage/irritation – Category 1 H318 Causes serious eye damage.

- Label elements
- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms
- Corrosion



GHS05

- Signal word Danger
- Hazard-determining components of labelling:
cationic surfactants
- Hazard statements
H315 Causes skin irritation.
H318 Causes serious eye damage.
- Precautionary statements
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves / 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.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.

3 Composition and Information on Ingredients

- Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:		
1474044-71-7	1-propanaminium, 2-hydroxy-N-(2-hydroxypropyl) -N-N-dimethyl, diesters with vegetable oil fatty acids, methyl sulfates ⚠ Eye damage/irritation – Category 1, H318; ⚠ Skin corrosion/irritation – Category 2, H315	10-20%
5131-66-8	propylene glycol monobutyl ether ⚠ Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Flammable liquids – Category 4, H227	≥5-<10%
67-63-0	propan-2-ol ⚠ Flammable liquids – Category 2, H225; ⚠ Eye damage/irritation – Category 2A, H319; Specific target organ toxicity (single exposure) – Category 3, H336	1-5%
112-34-5	2-(2-butoxyethoxy)ethanol ⚠ Eye damage/irritation – Category 2A, H319	≥1-≤5%
9004-78-8	Phenol, ethoxylated ⚠ Acute toxicity - oral – Category 4, H302	1-5%

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1335202-95-3	Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	≥2.5-<5%
	⚠ Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319	

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

4 First Aid Measures

· **After inhalation**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

· **After skin contact** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **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

· **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.

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

· **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**

Wear protective equipment. Keep unprotected persons away.

· **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

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and Storage

- **Handling**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **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:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Appropriate engineering controls** No further data; see section 7.

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

67-63-0 propan-2-ol

WES	Short-term value: 1230 mg/m³, 500 ppm Long-term value: 983 mg/m³, 400 ppm
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· **DNELs**

67-63-0 propan-2-ol

Oral	DNEL	26 mg/kg×d (consumer)
Dermal	DNEL	888 mg/kg×d (employee) 319 mg/kg×d (consumer)
Inhalative	DNEL	500 mg/m3 (employee) 89 mg/m3 (consumer)

· **PNECs**

1474044-71-7 1-propanaminium, 2-hydroxy-N-(2-hydroxypropyl) -N-N-dimethyl, diesters with vegetable oil fatty acids, methyl sulfates

PNEC	10 mg/l (STP) (Assessment factor: 100)
PNEC sediment	1.7 mg/kg (freshwater) (sediment dw) 0.17 mg/kg (marine water) (sediment dw)
PNEC aqua	0.017 mg/l (freshwater) (Assessment factor: 10) 0.002 mg/l (marine water) (Assessment factor: 100)

67-63-0 propan-2-ol

PNEC	140.9 mg/l (freshwater)
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PNEC sediment	140.9 mg/l (marine water)
	140.9 mg/l (STP)
	2251 mg/l (STP)
	552 mg/kg (freshwater)
PNEC soil	552 mg/kg (marine water)
	28 mg/kg (soil)

- **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.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves.

- **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.
- **Eye protection:**



Tightly sealed goggles (EN 166)

9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Fluid
- **Colour:** Blue
- **Odour:** Pine
- **Odour threshold:** Not determined.
- **pH-value at 20 °C:** 4.1
- **pH-value 1 %:** 6-8
- **Change in condition**
- **Melting point/freezing point:** 0 °C
- **Initial boiling point and boiling range:** undetermined
- **Flash point:** Not applicable
- **Flammability (solid, gaseous)** Not applicable.
- **Auto-ignition temperature:** not applicable

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· Decomposition temperature:	Not determined.
· 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:	0.9968 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:	Not determined.
· kinematic:	Not determined.
· Other information	No further relevant information available.
· Additional information	
· Particle characteristics	Not applicable.
· Physical state	Liquid

10 Stability and Reactivity

- **Reactivity** corresponds to 10.3
- **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:	
5131-66-8 propylene glycol monobutyl ether	
Oral	LD50 3300 mg/kg (Rat)

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67-63-0 propan-2-ol

Oral	LD50	5840 mg/kg (Rat) (OECD 401)
Dermal	LD50	13900 mg/kg (Rabbit) (OECD 402)

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

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

9004-78-8 Phenol, ethoxylated

Oral	LD50	500-2000 mg/kg (Rat)
Dermal	LD50	2140 mg/kg (Rabbit)

134737-05-6 Diquarternary polydimethylsiloxane

Oral	LD50	>5000 mg/kg (Rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **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.

12 Ecological Information

· Toxicity

· Aquatic toxicity:

1474044-71-7 1-propanaminium, 2-hydroxy-N-(2-hydroxypropyl) -N-N-dimethyl, diesters with vegetable oil fatty acids, methyl sulfates

LC50/96 h	>10 mg/l (Cyprinus carpio)
EC50/48 h	>8.6 mg/l (Daphnia magna)
EC50/72 h (static)	1.2 mg/l (Pseudokirchneriella subcapitata)
EC50	100 mg/l /6 d (STP)
NOEC	0.686 mg/l /35 d (Pimephales promelas)
	1 mg/l /21 d (Daphnia magna)
	0.39 mg/l /72 h (Pseudokirchneriella subcapitata) (OECD 201)

5131-66-8 propylene glycol monobutyl ether

LC50/96 h	560-1000 mg/l (fish)
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67-63-0 propan-2-ol

LC50/96 h	9640 mg/l (Pimephales promelas)
EC50/48 h	13299 mg/l (Daphnia magna)
EC50/72 h	>1000 mg/l (Desmodesmus subspicatus)

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EC10/18 h	>1000 mg/l (Pseudomonas putida) (DIN 38412)
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)
134737-05-6 Diquarternary 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:**

1474044-71-7 1-propanaminium, 2-hydroxy-N-(2-hydroxypropyl) -N-N-dimethyl, diesters with vegetable oil fatty acids, methyl sulfates	
OECD 301F	>60 % (28 d)
OECD 311	>60 % (60 d)
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)
OECD 302B	100 % (28 d)
9004-78-8 Phenol, ethoxylated	
OECD 301F	79 % (28 d)
OECD 311	>60 % (60 d)
1335202-95-3 Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	
OECD 301B	>60 % (28 d)

· **Behaviour in environmental systems:**

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

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

· **Additional ecological information:**

· **COD-value:** 860.000 mg/l

· **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.

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- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **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.
- **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 Transport information

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

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15 Regulatory information

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

· Australian Inventory of Industrial Chemicals

7732-18-5	water
5131-66-8	propylene glycol monobutyl ether
67-63-0	propan-2-ol
112-34-5	2-(2-butoxyethoxy)ethanol
9004-78-8	Phenol, ethoxylated
64-19-7	acetic acid
57-55-6	Propylene glycol
134737-05-6	Diquarternary polydimethylsiloxane
67-56-1	methanol
25265-71-8	Dipropylene glycol (isomer unspecified)
18479-58-8	Dihydromyrcenol
3844-45-9	C.I. Acid Blue 9
7785-53-7	d-.alpha.-Terpineol
19009-56-4	2-Methyldecanal
5989-27-5	(R)-p-mentha-1,8-diene
110-41-8	2-methylundecanal
112-54-9	Lauric aldehyde
470-82-6	eucalyptol
54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone
58567-11-6	Formaldehyde cyclododecyl ethyl acetal
67634-00-8	allyl (3-methylbutoxy)acetate
68039-49-6	2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde
34902-57-3	Oxacyclohexadecen-2-on
4180-23-8	trans-Anethole
14073-97-3	l-Menthone
56973-85-4	1-(5,5-Dimethyl-1-cyclohexen-1-yl)pent-4-en-1-one
91-64-5	Coumarin
112-12-9	2-Undecanone
556-67-2	octamethylcyclotetrasiloxane
97-53-0	Eugenol

· Standard for the Uniform Scheduling of Medicines and Poisons

112-34-5	2-(2-butoxyethoxy)ethanol	S5
64-19-7	acetic acid	S2, S5, S6
67-56-1	methanol	S5, S6, S10
470-82-6	eucalyptol	S6
91-64-5	Coumarin	S4
97-53-0	Eugenol	S5, S6

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97-54-1	isoeugenol	S5, S6
94-59-7	safrole	S6, S10
106-24-1	geraniol	S6
5392-40-5	Citral	S5

· Australia: Priority Existing Chemicals

None of the ingredients is listed.

· National regulations

· **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

· **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.

· Relevant phrases

H225 Highly flammable liquid and vapour.
H227 Combustible liquid.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

· 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
vPvB: very Persistent and very Bioaccumulative
Flammable liquids – Category 2: Flammable liquids – Category 2
Flammable liquids – Category 4: Flammable liquids – Category 4
Acute toxicity - oral – Category 4: Acute toxicity – Category 4
Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1
Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3

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

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