

Safety Data Sheet
according to WHS Regulations

Date of issue: 30.01.2026

Version number 12

Revision: 20.08.2024

1 Identification

- **Other means of identification**
- **Trade name:** PressurePro Solar Cleaner RM 99
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** High pressure cleaner
- **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: +1-703-527-3887 (collect calls accepted)

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Flammable liquids – Category 4 H227 Combustible liquid.

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Eye damage/irritation – Category 2A H319 Causes serious eye irritation.

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



GHS07

- **Signal word** Warning
- **Hazard statements**
H227 Combustible liquid.
H319 Causes serious eye irritation.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/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.
P403 Store in well-ventilated place.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Cleaning agent

· Dangerous components:		
112-34-5	2-(2-butoxyethoxy)ethanol ⚠ Eye damage/irritation – Category 2A, H319	1-5%
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%
68439-51-0	Fatty alcohol ethoxylate ⚠ Acute toxicity - oral – Category 4, H302; Eye damage/irritation – Category 2A, H319	≥2.5-<5%
	Polyamine, anionically modified ⚠ Eye damage/irritation – Category 1, H318; ⚠ Acute toxicity - inhalation – Category 4, H332	≥1-<3%
95-14-7	benzotriazole ⚠ Acute toxicity - oral – Category 4, H302; Eye damage/irritation – Category 2A, H319	≥1-<2.5%
2605-79-0	decyldimethyl aminoxide ⚠ Eye damage/irritation – Category 1, H318; ⚠ Acute toxicity - oral – Category 4, H302	≥1-<2.5%

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

4 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

- **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** 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.

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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:** No special measures required.
- **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

· 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	
67-63-0 propan-2-ol	
PNEC	140.9 mg/l (freshwater) 140.9 mg/l (marine water) 140.9 mg/l (STP) 2251 mg/l (STP)
PNEC sediment	552 mg/kg (freshwater) 552 mg/kg (marine water)
PNEC soil	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.

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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:	Colourless
· Odour:	Alcohol-like
· Odour threshold:	Not determined
· pH-value at 20 °C:	9
· pH-value 1 %:	7-9
· Change in condition	
· Melting point/freezing point:	-1 °C
· Initial boiling point and boiling range:	100 °C
· Flash point:	62 °C (Closed Cup)
· Flammability (solid, gaseous)	Not applicable
· Auto-ignition temperature:	not applicable
· Decomposition temperature:	Not determined
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Not determined
· Explosion limits:	
· Lower:	Not determined
· Upper:	Not determined
· Vapour pressure:	Not determined
· Density at 20 °C:	1.006 g/cm ³
· Relative density	Not determined
· Vapour density	Not determined
· Evaporation rate	Not determined

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

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

67-63-0 propan-2-ol

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

95-14-7 benzotriazole

Oral	LD50	500 mg/kg (Rat)
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2605-79-0 decyldimethyl aminoxide

Oral	LD50	301-2000 mg/kg (Rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.

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- **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:

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)

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)
EC10/18 h	>1000 mg/l (Pseudomonas putida) (DIN 38412)

95-14-7 benzotriazole

LC50/96 h	180 mg/l (Danio rerio) (OECD 203)
EC50/48 h	15.8 mg/l (Aquatic invertebrates) (OECD 202)
EC50	1060 mg/l /3 h (STP) (OECD 209)
ErC10/72h	1.18 mg/l (Pseudokirchneriella subcapitata)

2605-79-0 decyldimethyl aminoxide

LC50/96 h	31.8 mg/l (Brachydanio rerio) (OECD 203)
EC50/48 h	3.43 mg/l (Daphnia magna) (OECD 202)
EC50/72 h	0.16 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

- **Persistence and degradability** No further relevant information available.

· Degree of elimination:

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

OECD 301C	80-90 % (28 d)
OECD 301E	>70 % (28 d)
OECD 302B	100 % (28 d)

- **Behaviour in environmental systems:**

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

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- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**

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.

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.

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

The contained organic complexing agents reach a DOC-elimination grade of 80% (corresponding to No. 406 of Annex "Analytic and measuring methods") and with this meet the tightened demands of Annex 49 of the revised Direction on liquid waste.
- **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

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· 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

15 Regulatory information

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

· Australian Inventory of Industrial Chemicals		
7732-18-5	water	
112-34-5	2-(2-butoxyethoxy)ethanol	
67-63-0	propan-2-ol	
68439-51-0	Fatty alcohol ethoxylate	
95-14-7	benzotriazole	
2605-79-0	decyldimethyl aminoxide	
102-71-6	Triethanolamine	
1310-73-2	sodium hydroxide	
5064-31-3	nitrilotriacetate, trisodium salt	
111-42-2	2,2'-iminodiethanol	
· Standard for the Uniform Scheduling of Medicines and Poisons		
112-34-5	2-(2-butoxyethoxy)ethanol	S5
102-71-6	Triethanolamine	S4, S5
1310-73-2	sodium hydroxide	S5, S6, S10
5064-31-3	nitrilotriacetate, trisodium salt	S6
111-42-2	2,2'-iminodiethanol	S5, S6
· Australia: Priority Existing Chemicals		
None of the ingredients is listed.		

· National regulations

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

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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.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

Contact:

Regulatory Affairs

Tel.: +49-7195-14-0

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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

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

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

0-011-339-0

RM 99/4

2-736