

**Safety data sheet
according to UK REACH**

Printing date 20.12.2024

Version number 5 (replaces version 4)

Revision: 09.12.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** SanitPro WC and deep cleaner CA 10 C eco!perform**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Restricted to professional users.

Application of the substance / the mixture Sanitary cleaner**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: +1 703-741-5970 (collect calls accepted)

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

Met. Corr. 1 H290 May be corrosive to metals.

Skin Corr. 1 H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

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Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

isotridecanoethoxylate + 8 EO

citric acid ·H₂O

Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

P405 Store locked up.

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Cleaning agent

Mixture consisting of the following components.

Dangerous components:

CAS: 5949-29-1 EINECS: 201-069-1 Index number: 607-750-00-3 Reg.nr.: 01-2119457026-42-xxxx	citric acid ·H ₂ O ⚠ Eye Irrit. 2, H319; STOT SE 3, H335	≥10-<20%
CAS: 69011-36-5	isotridecanoethoxylate + 8 EO ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≥3-≤5%
CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23-xxxx	Propylene glycol substance with a Community workplace exposure limit	1-5%

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

General information

Involve doctor immediately.

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Immediately remove any clothing soiled by the product.

· 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

If skin irritation continues, consult a doctor.

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.

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

· 4.2 Most important symptoms and effects, both acute and delayed Redness and irritation of the eyes**· Hazards** 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 Carbon monoxide (CO)**· 5.3 Advice for firefighters****· Protective equipment:** Wear self-contained respiratory protective device.**· 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 equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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).

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

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Ensure adequate ventilation.

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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.

SECTION 7: Handling and storage

7.1 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.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- 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 with access restricted to technical experts or their assistants only.
Keep receptacle tightly sealed.

· **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:**

57-55-6 Propylene glycol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
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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**
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 eyes and skin.
- Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Filter A/P2.
- Hand protection**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



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.
- **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)
- **Not suitable are gloves made of the following materials:**
Strong material gloves
Leather gloves
- **Eye/face protection**



Tightly sealed goggles (EN 166)

- **Body protection:**
Apron
Boots

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|---|-----------------|
| · General Information | |
| · Physical state | Liquid |
| · Colour: | Red |
| · Odour: | fresh |
| · Odour threshold: | Not determined. |
| · Melting point/freezing point: | undetermined |
| · Boiling point or initial boiling point and boiling range | 100 °C |
| · 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 | 1.8 |
| · pH-value 1 %: | 3-4 |
| · Viscosity: | |
| · Kinematic viscosity | Not determined. |
| · dynamic at 20 °C: | 96 mPas |

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· 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:	1.055 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Relative gas density	Not determined.
· Particle characteristics	Not applicable.

· 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.
· Solvent content:	
· Solids content:	16.0 %
· 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	May be corrosive to metals.
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity corresponds to 10.3

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
 - Reacts with alkali (lyes)
 - Forms hydrogen in aqueous solution with metals
 - Reacts with light alloys to form hydrogen
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
 - Not suitable for surfaces that are attacked by acids (limestone, marble, brick, aluminium, etc.).
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known
- **Additional information:** .

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:

5949-29-1 citric acid ·H₂O

Oral	LD50	5400 mg/kg (mouse) (OECD 401)
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69011-36-5 isotridecanoethoxylate + 8 EO

Oral	ATE	500 mg/kg (Rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **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

128-37-0	Butylated hydroxytoluene	List II
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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

5949-29-1 citric acid ·H₂O

LC50/96 h	440-760 mg/l (Leuciscus idus) (OECD 203)
LC50/24 h	1535 mg/l (Daphnia magna)
LC50/168 h	425 mg/l (Scenedesmus quadricauda)
LC50/16 h	>10000 mg/l (Pseudomonas putida)
EC50/72 h	120 mg/l (Daphnia magna)

69011-36-5 isotridecanoethoxylate + 8 EO

LC50/96 h	>1-10 mg/l (Leuciscus idus)
EC50/48 h	>1-10 mg/l (Aquatic invertebrates)
EC50/72 h	>1-10 mg/l (Aquatic plants)
NOEC	>1 mg/l/(21 d)

12.2 Persistence and degradability No further relevant information available.

Degree of elimination:

69011-36-5 isotridecanoethoxylate + 8 EO

OECD 301B	>60 % (28 d)
OECD 301E	≥90 % (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: Not applicable.

vPvB: Not applicable.

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

12.7 Other adverse effects

Additional ecological information:

COD-value: 287000 mg/l

General notes:

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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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
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· Uncleaned packaging:

· Recommendation:

Non contaminated packagings may be recycled.

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

UN3264

· 14.2 UN proper shipping name

· ADR

3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
(citric acid)

· IMDG, IATA

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (citric
acid)

· 14.3 Transport hazard class(es)

· ADR



· Class

8 (C1) Corrosive substances.

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· Label	8
· IMDG, IATA	
	
· Class	8 Corrosive substances.
· Label	8
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Corrosive substances.
· Hazard identification number (Kemler code):	80
· EMS Number:	F-A,S-B
· Segregation groups	(SGG1) Acids
· Stowage Category	A
· Stowage Code	SW2 Clear of living quarters.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CITRIC ACID), 8, III

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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**
 - H302 Harmful if swallowed.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
- **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)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Met. Corr. 1: Corrosive to metals – Category 1
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Corr. 1: Skin corrosion/irritation – Category 1
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- *** Data compared to the previous version altered.**
- 0 011-316 0 CA 10 C/5 2 490