

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 28.01.2009

Revision: 07.12.2006

1 Identification of substance

- **Product details**
- **Trade name** **Combi WR**
Alkutex Combi WR
- **Article number:** 0675
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
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D-49624 Lönigen / Germany
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Fax: 05432/3985
- **Informing department:**
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after working hours: Tel.: +49 (0)171/6428-297

2 Hazards identification

- **Hazard designation:** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** weak acidic cleaner

- **Dangerous components:**

CAS: 7664-38-2 EINECS: 231-633-2	phosphoric acid	C; R 34	5-<10%
CAS: 77-92-9 EINECS: 201-069-1	citric acid	Xi; R 36	1-<2.5%

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

4 First aid measures

- **After inhalation** Seek medical treatment in case of complaints.
- **After skin contact**
Wash immediately with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

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- **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

5 Fire fighting measures

- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose of the material collected according to regulations.
- **Additional information:** See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:** The product is not flammable
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information on storage in a common storage facility:** none
- **Further information about storage conditions:**
Keep container tightly closed.
Protect from frost.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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

7664-38-2 phosphoric acid

OES	Short-term value: 2 mg/m ³
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- **Additional information:** The lists that were valid during compilation were used as a basis.

- **Personal protective equipment**
- **General protective and hygienic measures**
Observe the usual precautionary measures when handling chemicals.
Immediately remove soiled, saturated clothing.
Keep away from food, beverages and animal feed.
Use skin protection cream for preventive skin protection.
Wash hands before pauses and after work.
Avoid contact with eyes and skin.
Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:**
Use respiratory protection only when aerosol or mist is formed.

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- Filter P2.
- **Protection of hands:** Acid resistant gloves
- **Material of gloves**
PVC gloves
Chloroprene rubber, CR
- **Penetration time of glove material** Break through time: max. 240 min (DIN EN 374).
- **Eye protection:**
Safety glasses
if there is a risk of splashes
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	clear
Odour:	Odourless

· Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: 100°C

- | | |
|--|-------------------------------|
| · Flash point: | Not applicable |
| · Self-inflammability: | Product is not self-igniting. |
| · Danger of explosion: | Product is not explosive. |
| · Vapour pressure at 20°C: | 23 mbar |
| · Density at 20°C | ca. 1 g/cm ³ |
| · Solubility in / Miscibility with Water: | Fully miscible |
| · pH-value at 20°C: | 2.0 - 3.0 |
| · Solvent content: | |
| Organic solvents: | 0.0 % |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
No decomposition if handled and stored according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effect known.

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· **Additional toxicological information:**

The product is not subject to labelling based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to directions, the product does not have any harmful effects according to our experience and the information available.

12 Ecological information:

· **General notes:**

Water hazard class 1 : slightly hazardous to water.

Do not allow product to reach ground water, bodies of water or sewage system.
according to appendix 4 VwVwS

13 Notes on disposal:

· **Product:**

· **European waste catalogue**

06 00 00	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of acids
06 01 04	phosphoric and phosphorous acid

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

· **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

· **ADR/RID-GGVS/E Class:** /

· **Maritime transport IMDG/GGVSea:**

· **IMDG/GGVSea Class:** /

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** /

· **Transport/Additional information:** Not a hazardous good according to the above regulations.

15 Regulatory information

· **Designation according to EC guidelines:**

Observe normal safety precautions for handling chemicals

The product is not subject to labelling in accordance with EC Guidelines and the Ordinance on Hazardous Materials (GefStoffV).

Although this product is not subject to labelling, we recommend that the safety suggestions are observed

· **Safety phrases:**

24/25 Avoid contact with skin and eyes.

· **National regulations**

· **Water hazard class:**

Water hazard class 1: slightly hazardous to water.
according to appendix 4 VwVwS

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- **Other regulations, limitations and prohibition ordinances**
Observe the usual protective measures when working and for storage.

16 Other information:

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

- **Relevant R-phrases**
34 Causes burns.
36 Irritating to eyes.
- **Department issuing data specification sheet:** Product Safety department

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