

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 3

Revision: 31.05.2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking*** 1.1 Product identifier***** Trade name** **Combi WR***** Article number:** 0675*** 1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

*** Application of the substance / the mixture** Cleaning agent/ Cleaner*** 1.3 Details of the supplier of the safety data sheet***** Manufacturer/Supplier:**

Remmers GmbH
Postfach 1255
D-49624 Lönningen / Germany
Tel.: +49(0)5432/83-0
Fax: +49(0)5432/3985

Remmers (UK) Limited
Unit B1 The Fleming Centre
West Sussex RH10 9NN
fon +44 (0) 1293 594 010
fax +44 (0) 1293 594 037

*** Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010
E-Mail: sales@remmers.co.uk

*** 1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

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

The product is not classified according to the CLP regulation.

*** 2.2 Label elements***** Labelling according to Regulation (EC) No 1272/2008** Void*** Hazard pictograms** Void*** Signal word** Void*** Hazard statements** Void*** Precautionary statements**

P262 Do not get in eyes, on skin, or on clothing.

*** 2.3 Other hazards***** Results of PBT and vPvB assessment***** PBT:** Not applicable.*** vPvB:** Not applicable.*** SECTION 3: Composition/information on ingredients***** 3.2 Chemical characterisation: Mixtures***** Description:** Mixture of the substances listed below with harmless additions.

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*** Dangerous components:**

CAS: 7664-38-2	phosphoric acid	5-10%
EINECS: 231-633-2	Skin Corr. 1B, H314	
Index number: 015-011-00-6		
CAS: 5949-29-1	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate	1-2.5%
EINECS: 201-069-1	Eye Irrit. 2, H319	
Reg.nr.: 01-2119457026-42-XXXX		

* **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** No special measures required.

* **After inhalation** Seek medical treatment in case of complaints.

* **After skin contact** If skin irritation continues, consult a doctor.

* **After eye contact** Rinse opened eye for several minutes under running water.

* **After swallowing** Rinse out mouth and then drink plenty of water.

*** 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, extinguishing powder or water jet. Fight larger fires with water jet 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.

SECTION 6: Accidental release measures

* **6.1 Personal precautions, protective equipment and emergency procedures** Not required.

*** 6.2 Environmental precautions:**

Do not allow to enter the ground/soil.

Dilute with plenty of water.

*** 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

*** 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 information on disposal.

SECTION 7: Handling and storage*** 7.1 Precautions for safe handling**

Use only in well ventilated areas.

No special measures required.

* **Information about protection against explosions and fires:** The product is not flammable

*** 7.2 Conditions for safe storage, including any incompatibilities***** 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:** Protect from frost.

* **7.3 Specific end use(s)** No further relevant information available.

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* SECTION 8: Exposure controls/personal protection

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

* **8.1 Control parameters**

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

CAS: 7664-38-2 phosphoric acid

WEL Short-term value: 2 mg/m³

Long-term value: 1 mg/m³

* **Additional information:** The lists that were valid during compilation were used as a basis.

* **8.2 Exposure controls**

* **Personal protective equipment**

* **General protective and hygienic measures** Use skin protection cream for preventive skin protection.

* **Respiratory equipment:**

Use respiratory protection only when aerosol or mist is formed.

Particle-Filter P2.

* **Protection of hands:**

Acid resistant gloves

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

* **Material of gloves**

PVC gloves

Chloroprene rubber, CR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

* **Penetration time of glove material**

Break through time: max. 240 min (DIN EN 374).

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

* **Eye protection:** if there is a risk of splashes

* **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

* **9.1 Information on basic physical and chemical properties**

* **General Information**

* **Appearance:**

Form: Fluid

Colour: clear

* **Odour:** Odourless

* **Odour threshold:** Not determined.

* **pH-value at 20 °C:** 2.0 - 3.0

* **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 100 °C

* **Flash point:** Not applicable

* **Inflammability (solid, gaseous)** Not applicable.

* **Ignition temperature:** not applicable

* **Decomposition temperature:** Not determined.

* **Self-inflammability:** Product is not self-igniting.

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* Danger of explosion:	Product is not explosive.
* Explosive Limits:	
Lower:	Not determined.
Upper:	Not determined.
* Vapour pressure at 20 °C:	23 mbar
* Density at 20 °C	ca. 1 g/cm ³
* Relative density	Not determined.
* Vapour density	Not determined.
* Evaporation rate	Not determined.
* Solubility in / Miscibility with Water:	Fully miscible
* Distribution coefficient (n-octanol/water):	Not determined.
* Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
* Solvent separation test	< 3 %
* Organic solvents:	0.0 %
* 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- * **10.1 Reactivity** No further relevant information available.
- * **10.2 Chemical stability**
- * **Thermal decomposition / conditions to be avoided:**
No decomposition if handled and stored 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 toxicological effects**
- * **Acute toxicity:** Based on available data, the classification criteria are not met.
- * **LD/LC50 values that are relevant for classification:**
- ATE (Acute Toxicity Estimates)**
Oral LD50 16988 mg/kg (rat)
- * **Primary irritant effect:**
- * **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- * **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- * **Sensitisation:** Based on available data, the classification criteria are not met.
- * **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- * **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.

SECTION 12: Ecological information

- * **12.1 Toxicity**
- * **Aquatic toxicity:** No further relevant information available.
- * **12.2 Persistence and degradability** No further relevant information available.

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- * **12.3 Bioaccumulative potential** No further relevant information available.
- * **12.4 Mobility in soil** No further relevant information available.
- * **Additional ecological information:**
- * **General notes:** Do not allow product to reach ground water, bodies of water or sewage system.
- * **12.5 Results of PBT and vPvB assessment**
- * **PBT:** Not applicable.
- * **vPvB:** Not applicable.
- * **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- * **13.1 Waste treatment methods**
- * **Recommendation**
The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.
- * **European waste catalogue**
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.

SECTION 14: Transport information

- * **14.1 UN-Number** Void
- * **ADR, ADN, IMDG, IATA** Void
- * **14.2 UN proper shipping name** Void
- * **ADR, ADN, IMDG, IATA** Void
- * **14.3 Transport hazard class(es)** Void
- * **ADR, ADN, IMDG, IATA** Void
- * **Class** Void
- * **14.4 Packing group** Void
- * **ADR, IMDG, IATA** Void
- * **14.5 Environmental hazards:** Impregneeroutlet.nl
- * **Marine pollutant:** No
- * **14.6 Special precautions for user** Not applicable.
- * **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- * **Transport/Additional information:** Not a hazardous good according to the above regulations.
- * **UN "Model Regulation":** Void

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**
- * **Other regulations, limitations and prohibition ordinances**
Observe the usual protective measures when working and for storage.
- * **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Delivery specifications are found in the respective Technical Information Sheets.
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.

- * **Relevant phrases**
H314 Causes severe skin burns and eye damage.

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H319 Causes serious eye irritation.

* **Department issuing data specification sheet:** Product Safety department / EHS

* **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

