

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

Printing date 28.04.2016

Version number 9

Revision: 28.04.2016

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name: Geschirrspülpulver Kaffee & Tee**

### 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

Product is for professional use only.

Dishwasher formulation

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

**Renosan Chemie & Technik GmbH**

Bodenseestr. 29

D-81241 München

Tel.: +49 (0) 800 736 6720 (kostenfrei)

Fax.: +49 (0) 800 736 6726 (kostenfrei)

e-mail: info@renosan.de

www.renosan.de

#### Informing department:

Renosan GmbH, Tel.: +49 (0) 800 736 6720 (kostenfrei)

info@renosan.de

### 1.4 Emergency telephone number:

Berlin - Institut für Toxikologie - Klinische Toxikologie und Giftnotruf Berlin

Tel. +49 30 30686 790

E-Mail: mail@giftnotruf.de

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

#### Hazard pictograms



GHS05

**Signal word** Danger

#### Hazard-determining components of labelling:

sodium metasilicate pentahydrate

#### Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

#### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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/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.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

(Contd. on page 2)

GB

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 28.04.2016

Version number 9

Revision: 28.04.2016

**Trade name: Geschirrspülpulver Kaffee & Tee**

P314 Get medical advice/attention if you feel unwell.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. of page 1)

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures** Mixture of basis sodium carbonate, sodium percarbonate, silicate, phosphate and surfactant.
**Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2 Reg.nr.: 01-2119485498-19	sodium carbonate ⚠ Eye Irrit. 2, H319	>30%
CAS: 15630-89-4 EINECS: 239-707-6 Reg.nr.: 01-2119457268-30	di sodium carbonate ⚠ Ox. Liq. 1, H271; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	15-30%
CAS: 10213-79-3 EINECS: 229-912-9	sodium metasilicate pentahydrate ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; STOT SE 3, H335	< 5%

**Classification in accordance with Directive 648/2004:**

oxygen-based bleaching agents	15 - 30%
phosphates	5 - 15%
non-ionic surfactants	< 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****After inhalation** Supply fresh air; consult doctor in case of symptoms.**After skin contact**

Instantly wash 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.**After swallowing**

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

**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**CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** Wear self-contained breathing apparatus.**Additional information** Product is not combustible but may assist fire by oxygen donation.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Avoid causing dust.

**6.2 Environmental precautions:**

Do not allow product to reach sewage systems or water bodies in great quantities.

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

Collect mechanically.

Dispose of the material collected according to regulations.

(Contd. on page 3)

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

Printing date 28.04.2016

Version number 9

Revision: 28.04.2016

Trade name: **Geschirrspülpulver Kaffee & Tee**

(Contd. of page 2)

**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** Keep containers tightly sealed.**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and containers:**

The official regulations for storage of chemicals hazardous to water must be observed.

**Information about storage in one common storage facility:**

Special Storage of hazardous substances.

Store away from flammable substances.

**Further information about storage conditions:** Protect from frost.**Storage class** TRGS 510: LGK 13**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Components with limit values that require monitoring at the workplace:**

General dust limit:

AGW: 3 mg/m<sup>3</sup>, 10 mg/m<sup>3</sup> (2.4 TRGS 900)**Additional information:** The lists that were valid during the compilation were used as basis.**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid contact with the eyes and skin.

Wash hands during breaks and at the end of the work.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

**Breathing equipment:**

In case of dust generation wear a dust mask.

Particle filter: P3

**Protection of hands:** Chemical resistant protective gloves (EN 374).**Material of gloves**

Chemical protection gloves of the category III in accordance with EN 374. Consider the data of the manufacturers at the permeability and break-through times as well as the special conditions on the job (mechanical load, contact duration)

Thickness: &gt; 0.4 mm, Breakthrough time: &gt; 480 min, Material: nitrile, butyl rubber

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**

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 safety glasses.**Body protection:** Wear suitable protective clothing.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Powder
<b>Colour:</b>	white
<b>Odour:</b>	slightly of surfactant
<b>Odour threshold:</b>	Not determined

(Contd. on page 4)

GB

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

Printing date 28.04.2016

Version number 9

Revision: 28.04.2016

Trade name: **Geschirrspülpulver Kaffee & Tee**

(Contd. of page 3)

<b>pH-value (10 g/l) at 20 °C:</b>	11.1
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	Not determined
<b>Crystallisation temperature / range:</b>	Not determined
<b>Flash point:</b>	Not applicable
<b>Ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Critical values for explosion:</b>	
<b>Oxidising properties</b>	yes
<b>Density</b>	Not determined
<b>Bulk weight at 20 °C</b>	920 kg/m <sup>3</sup>
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Fully miscible
<b>9.2 Other information</b>	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:** Above 65 °C thermal decomposition by oxygen donation .

**10.3 Possibility of hazardous reactions** Reacts with strong acids

**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** No data for the preparation available.

**Primary irritant effect:**

**Skin corrosion/irritation**

Irritant effect on skin and mucous membranes

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.

**Additional toxicological information:**

The toxicological evaluation of the preparation took place in accordance with computation methods after GefStoffV / European Union preparing guideline.

**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**

Rapid abiotic degradation due to hydrolysis, reduction.

The following products will be formed: oxygen, water, sodium carbonate.

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

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

**Additional ecological information:**

**COD-value:** 18.9 g O<sub>2</sub>/kg product

(Contd. on page 5)

GB

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

Printing date 28.04.2016

Version number 9

Revision: 28.04.2016

Trade name: **Geschirrspülpulver Kaffee & Tee**

(Contd. of page 4)

**General notes:**

If product has entered water course untreated, noxious effects on fishes and water organisms are possible (pH-shift).

During the introduction sourly or alkaline products in sewage systems it is to be made certain that the introduced waste water does not under and/or exceeds pH range of 6-10, since by pH shift disturbances in sewers and biological purification plants can occur.

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.

**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** Must be specially treated with regard to official regulations.**Waste disposal key number:**

The exact waste code must be agreed with the disposer.

Hazardous waste according to European Waste Catalogue (EWC).

**Uncleaned packagings:**

Contaminated packages must be completely emptied and may be reused after proper cleaning. Not cleanable packing disposal like the product.

**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**

<b>14.1 UN-Number</b> ADR, ADN, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b> ADR, ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b> ADR, ADN, IMDG, IATA Class	Void
<b>14.4 Packing group</b> ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	Void

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Labelling according to Regulation (EC) No 1272/2008**

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

**Hazard pictograms**

GHS05

**Signal word** Danger**Hazard-determining components of labelling:**

sodium metasilicate pentahydrate

**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

(Contd. on page 6)

GB

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

Printing date 28.04.2016

Version number 9

Revision: 28.04.2016

Trade name: **Geschirrspülpulver Kaffee & Tee**

(Contd. of page 5)

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 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/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.  
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P314 Get medical advice/attention if you feel unwell.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**National regulations****Water hazard class (Germany):** Water hazard class 1 (Self-assessment): slightly hazardous for water.**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

The product contains no substances from SVHC list.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

The above information is based on our present knowledge about the product. It does not guarantee specific product features.

**Full text of R-phrases listed in chapters 2 and 3:**

H271 May cause fire or explosion; strong oxidiser.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.

**Department issuing data specification sheet:** Manufacturer**Reference to modifications:**

Please take notice of the changes made in compare to the last version from 8 in the following sections: 1

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 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)  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Ox. Liq. 1: Oxidising Liquids, Hazard Category 1  
 Acute Tox. 4: Acute toxicity, Hazard Category 4  
 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

**Sources** KC-825732u