



# SAFETY DATA SHEET

in accordance with Commission Regulation (EU) No. 1907/2006

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Compilation date: 01.03.2011

Revision date: 08.07.2015

Revision No: 4

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

### 1.1. Product identifier

Product name: KLEEN FRESH PUSH WC CLEANER

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Sanitary cleaning and descaling agent for professional users

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

Company name: KLEEN PURGATIS GmbH

Dieselstraße 10

D - 32120 Hiddenhausen

Deutschland

Tel: +49 (0)5223 - 9970-40

Fax: +49 (0)5223 - 9970-50

Email: info@kleen-purgatis.de

### 1.4. Emergency telephone number

Emergency tel: +49 (0)551 - 19240 (GIZ-Nord)

## Section 2: Hazards identification

### \*2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

### 2.2. Label elements

Label elements: This product has no label elements.

### 2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

MALIC ACID - ÄPFELSÄURE - REACH registered number(s): 01-2119552463-40-0000

EINECS	CAS	CLP Classification	Percent
210-514-9	617-48-1	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-5%

[cont...]

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CITRIC ACID - REACH registered number(s): 01-2119457026-42-0000

201-069-1	77-92-9		Eye Irrit. 2: H319	1-5%
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FATTY ACID AMIDOALKYLBETAINE - REACH registered number(s): -

263-058-8	61789-40-0		Eye Irrit. 2: H319; Aquatic Chronic 3: H412	1-5%
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#### Section 4: First aid measures

##### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Consult a doctor.

**Inhalation:** Provide fresh air. In case of respiratory tract irritation, consult a physician.

##### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** Not applicable.

**Delayed / immediate effects:** Immediate effects can be expected after long-term exposure.

##### 4.3. Indication of any immediate medical attention and special treatment needed

#### Section 5: Fire-fighting measures

##### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

##### 5.2. Special hazards arising from the substance or mixture

##### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** not necessary. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

#### Section 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

##### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

[cont...]

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

**Clean-up procedures:** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area. Refer to section 13 of SDS for suitable method of disposal.

**6.4. Reference to other sections**

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** No special measures are necessary.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Storage class: 12 (Non-combustible liquids)

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** Not applicable.

**8.2. Exposure controls**

**Engineering measures:** Not applicable.

**Respiratory protection:** Not applicable.

**Hand protection:** not necessary.

**Eye protection:** Not applicable. Ensure eye bath is to hand.

**Skin protection:** Not applicable.

**Environmental:** No special requirement.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Red

**Odour:** like lemon

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Miscible

**Viscosity:** Non-viscous

**Relative density:** 1,025 g/ml

**pH:** 1,5

**9.2. Other information**

**Other information:** Not applicable.

[cont...]

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**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** No hazardous decomposition products if stored and handled as prescribed.

**10.5. Incompatible materials**

**Materials to avoid:** Metals. Cleaners, containing chlorine.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** After contact with alkali (lye) development of heat.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:**

Route	Species	Test	Value	Units
Citric acid: ORL	RAT	LD50	11700	mg/kg
Fatty acid amidoalkylbetaine: ORL	RAT	LD50	>4900	mg/kg

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** Not applicable.

**Delayed / immediate effects:** Immediate effects can be expected after long-term exposure.

**Other information:** Not applicable.

**Section 12: Ecological information**

**12.1. Toxicity**

[cont...]

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**Ecotoxicity values:**

Species	Test	Value	Units
Citric acid: Daphnia magna	EC50	85	mg/l
Leuciscus idus	96H LC50	440	mg/l
Fatty acid amidoalkylbetaine: Oncorhynchus mykiss	NOEC	0,16	mg/l
Daphnia magna	NOEC	0,9	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** no data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This substance is not identified as a PBT substance.

**12.6. Other adverse effects**

**Other adverse effects:** The product has not been tested. Data apply to the components with the highest toxicological risk.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Dispose of waste according to applicable local, state and federal regulations.

**Recovery operations:** Not applicable.

**Waste code number:** 20 01 30

**Disposal of packaging:** May be reused following decontamination.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

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**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006.

\* indicates text in the SDS which has changed since the last revision.

Data references: Safety data sheets from our raw material suppliers Department issuing MSDS: Product Development Department; Contact: Ms. Tiemann, Ms. Klumpe

**Classification for mixtures and used evaluation method according to article 9 of regulation (EC) 1272/2008 [CLP]:**

Calculation method

**Phrases used in s.2 and 3:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.