

SAFETY DATA SHEET

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

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Compilation date: 31.08.2011

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 TRO WC-TABS

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

Use of substance / mixture: WC cleaning and descaler tabs for professional users only

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: Aquatic Chronic 3: H412; Skin Irrit. 2: H315; Eye Irrit. 2: H319

Classification under CHIP: Xi: R36/38; -: R52/53

Most important adverse effects: Causes serious eye irritation. Causes skin irritation. Harmful to aquatic life with long lasting effects.***2.2. Label elements****Label elements under CLP:****Hazard statements:** H319: Causes serious eye irritation.

H315: Causes skin irritation.

H412: Harmful to aquatic life with long lasting effects.

Signal words: Warning**Hazard pictograms:** GHS07: Exclamation mark**Precautionary statements:** P102: Keep out of reach of children.

P280: Wear eye protection.

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P264: Wash hands thoroughly after handling.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P332+313: If skin irritation occurs: Get medical advice.

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:

SULPHAMIC ACID - REACH registered number(s): 01-2119488633-28-0000

| EINECS | CAS | CLP Classification | Percent |
|-----------|-----------|---|---------|
| 226-218-8 | 5329-14-6 | Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Chronic 3: H412 | >20% |

SODIUM CARBONATE - REACH registered number(s): 01-2119485498-19-0000

| EINECS | CAS | CLP Classification | Percent |
|-----------|----------|--------------------|---------|
| 207-838-8 | 497-19-8 | Eye Irrit. 2: H319 | 5-20% |

SODIUM PERCARBONATE - REACH registered number(s): 01-2119457268-30

| EINECS | CAS | CLP Classification | Percent |
|-----------|------------|---|---------|
| 239-707-6 | 15630-89-4 | Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Dam. 1: H318 | 1-5% |

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. In case of skin irritation, consult a physician.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Not applicable.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

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

[cont...]

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Dry chemical powder. Foam. Sand. Suitable extinguishing media for the surrounding fire should be used. Extinguishing media which must not be used for safety reasons: Full water jet (fire fighting water forms corrosive acid solutions).

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Take up mechanically. Wash the spillage site with large amounts of water. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep away from food, drink and animal feedingstuffs.

Storage class: 13 (Non-combustible solids)

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: Ensure there is sufficient ventilation of the area.

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- Respiratory protection:** Not applicable.
Hand protection: Protective gloves.
Eye protection: Avoid contact with eyes. Safety glasses.
Skin protection: Not applicable.
Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- State:** round tablet
Colour: white / blue / green
Odour: ocean
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Soluble
pH: 2

9.2. Other information

Other information: Not applicable.

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.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Not applicable.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

| Route | Species | Test | Value | Units |
|-------|---------|------|-------|-------|
|-------|---------|------|-------|-------|

[cont...]

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| | | | | |
|--------------------|-----|------|-------|-------|
| Sulphamic acid:ORL | RAT | LD50 | >1600 | mg/kg |
|--------------------|-----|------|-------|-------|

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

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

Ecotoxicity values:

| Species | Test | Value | Units |
|------------------------------------|----------|-------|-------|
| Sulphamic acid: Pseudomonas putida | EC10 | >1000 | mg/l |
| Pimephales promelas | 96H LC50 | 70,3 | 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: Harmful to aquatic organisms. Harmful to soil organisms. 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.

Waste code number: 20 01 29

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.

[cont...]

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Section 14: Transport information

14.1. UN number

UN number: UN2967

14.2. UN proper shipping name

Shipping name: SULPHAMIC ACID, Limited quantity 5kg, Beförderungskategorie 3

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

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.

Section 16: Other information

Other information

Other information: * indicates text in the SDS which has changed since the last revision.

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

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: H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

[cont...]

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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.