

SAFETY DATA SHEET

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

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Compilation date: 04.05.2011

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Revision No: 4.1

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** KLEEN CATERING TRYMAT ALL IN ONE**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Dishwashing tabs for professional users**1.3. Details of the supplier of the safety data sheet****Company name:** KLEEN PURGATIS GmbH

Dieselstraße 10

D - 32120 Hiddenhausen

Germany

Tel: +49 (0)5223 - 9970-40***Fax:** +49 (0)5223 - 9970-195**Email:** info@kleen-purgatis.de**1.4. Emergency telephone number****Emergency tel:** +49 (0)5223 - 9970-40

(office hours only)

Section 2: Hazards identification**2.1. Classification of the substance or mixture****Classification under CLP:** Eye Irrit. 2: H319; -: EUH208**Most important adverse effects:** Contains subtilisin. May produce an allergic reaction. Causes serious eye irritation.**2.2. Label elements****Label elements under CLP:****Hazard statements:** EUH208: Contains subtilisin. May produce an allergic reaction.

H319: Causes serious eye irritation.

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

P280: Wear eye protection.

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.

[cont...]

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P301+312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

Do not expose to a temperature over 40°C / 104°F!

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:

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

EINECS	CAS	SCL	CLP Classification	Percent
207-838-8	497-19-8	-	Eye Irrit. 2: H319	20-50%

SODIUM PERCARBONATE - REACH registered number(s): 01-2119457268-30-0000

239-707-6	15630-89-4	Eye Irrit.2: 10<=C<25% Eye Dam.1: C>25%	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Dam. 1: H318	5-10%
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ALCOHOL ALCOXYLATE - REACH registered number(s): 02-2119630747-33-0000

-	166736-08-9	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-5%
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HEDP - REACH registered number(s): 01-2119510391-53-0000

220-552-8	2809-21-4	-	Met. Corr. 1: H290; Eye Dam. 1: H318	1-<3%
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SODIUM SILICATE - REACH registered number(s): 01-2119448725-31-0000

215-687-4	1344-09-8	Eye Dam.1: C>28% Skin Irrit.2: 28%<=C<39%	Met. Corr. 1: H290; Skin Corr. 1B: H314; Eye Dam. 1: H318; STOT SE 3: H335	1-2%
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SUBTILISIN - REACH registered number(s): 01-2119480434-38-0000

232-752-2	9014-01-1	-	STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Resp. Sens. 1: H334; Aquatic Acute 1: H400	<1%
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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. Consult a doctor.

Ingestion: Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Seek medical advice.

Inhalation: No special measures are necessary.

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.

[cont...]

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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

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: not necessary.

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 with plenty 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.
Maximum storage temperature: 40°C / 104°F 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: No data available.

8.2. Exposure controls

Engineering measures: Not applicable.

Respiratory protection: Respiratory protection not required.

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Hand protection: not necessary.

Eye protection: Avoid contact with eyes.

Skin protection: Not applicable.

Environmental: No special requirement.

Section 9: Physical and chemical properties

*9.1. Information on basic physical and chemical properties

State: 3-layer tab

Colour: blue / yellow / white

Odour: scented

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Boiling point/range°C: Not applicable.

Melting point/range°C: No data available.

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: Not applicable.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: Not applicable.

Relative density: 1000 g/l

pH: 10,5

9.2. Other information

Other information: No data available.

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: Heat.

10.5. Incompatible materials

Materials to avoid: None known

10.6. Hazardous decomposition products

Haz. decomp. products: No hazardous decomposition products known.

Section 11: Toxicological information

[cont...]

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*11.1. Information on toxicological effects

Hazardous ingredients:

SODIUM CARBONATE

ORL	MUS	LD50	6600	mg/kg
ORL	RAT	LD50	4090	mg/kg
SCU	MUS	LD50	2210	mg/kg

SODIUM PERCARBONATE

DERMAL	RBT	LD50	>2000	mg/kg
ORL	RAT	LD50	1034	mg/kg

ALCOHOL ALCOXYLATE

ORL	RAT	LD50	>2000	mg/kg
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HEDP

ORL	RAT	LD50	2400	mg/kg
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SODIUM SILICATE

DUST/MIST	RAT	LC50	>2.06	g/m ³
ORL	RAT	LD50	1300-2200	mg/kg

SUBTILISIN

ORL	RAT	LD50	3700	mg/kg
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Toxicity values: No data available.

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.

Section 12: Ecological information

*12.1. Toxicity

Hazardous ingredients:

[cont...]

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SODIUM CARBONATE

Freshwater Invertebrates	48H EC50	200-227	mg/l
Lepomis macrochirus	96H LC50	300	mg/l

SODIUM PERCARBONATE

Daphnia pulex	48H EC50	4,9	mg/l
Pimephales promelas	96H LC50	70,7	mg/l

ALCOHOL ALCOXYLATE

Leuciscus idus	96H LC50	10-100	mg/l
Water plants	72H IC50	10-100	mg/l

HEDP

Daphnia magna	48H EC50	527	mg/l
Leuciscus idus	96H LC50	368	mg/kg

SODIUM SILICATE

Brachydanio rerio	96H LC50	1108	mg/l
Daphnia magna	48H EC50	1700	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.

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

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.

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: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H272: May intensify fire; oxidiser.

H290: May be corrosive to metals.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.