

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830

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Compilation date: 08.08.2014

Revision date: 24.10.2018

Revision No: 3

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

1.1. Product identifier

Product name: GASTRO KLEEN

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

Use of substance / mixture: HACCP Cleaner 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 - 9970-195

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 product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ETHANOL - REACH registered number(s): 01-2119457610-43-0000

| EINECS | CAS | SCL | CLP Classification | Percent |
|--------|-----|-----|--------------------|---------|
| | | | | |

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| | | | | |
|-----------|---------|--|--------------------|-------|
| 200-578-6 | 64-17-5 | Substance with a Community workplace exposure limit. | Flam. Liq. 2: H225 | 5-15% |
|-----------|---------|--|--------------------|-------|

3-BUTOXYPROPAN-2-OL

| | | | | |
|-----------|-----------|---|---|------|
| 225-878-4 | 5131-66-8 | - | Eye Irrit. 2: H319; Skin Irrit. 2: H315 | 1-2% |
|-----------|-----------|---|---|------|

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.

Inhalation: Not applicable.

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: Nausea and stomach pain may occur.

Inhalation: No symptoms.

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

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

Immediate / special treatment: Not applicable.

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 applicable.

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: Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Wash the spillage site with large amounts of water.

[cont...]

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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: Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): GISCODE: GU50

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

*DNEL/PNEC Values

Hazardous ingredients:

ETHANOL

| Type | Exposure | Value | Population | Effect |
|------|----------------------------|------------------------|------------|----------|
| DNEL | Dermal (repeated dose) | 343 mg/kg | Workers | Systemic |
| DNEL | Inhalation | 1900 mg/m ³ | Workers | Local |
| DNEL | Inhalation (repeated dose) | 950 mg/m ³ | Workers | Systemic |
| PNEC | Fresh water | 0,96 mg/l | - | - |
| PNEC | Marine water | 0,79 mg/l | - | - |

8.2. Exposure controls

Engineering measures: Not applicable.

Respiratory protection: Respiratory protection not required.

Hand protection: not necessary.

Eye protection: not required.

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: Colourless

Odour: Characteristic odour

[cont...]

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Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Viscosity: Non-viscous

Boiling point/range°C: >35

Melting point/range°C: Not applicable.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: 38 (*9.2)

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

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 980 g/l

pH: 9

VOC g/l: 17 %

9.2. Other information

Other information: *Test L.2 on self-sustaining combustion is negative.

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: Not applicable.

10.6. Hazardous decomposition products

Haz. decomp. products: Not applicable.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ETHANOL

| | | | | |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 1440 | mg/kg |
| ORL | MUS | LD50 | 3450 | mg/kg |
| ORL | RAT | LD50 | 7060 | mg/kg |

[cont...]

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3-BUTOXYPROPAN-2-OL

| | | | | |
|-----|-----|------|------|-------|
| SKN | RBT | LD50 | 3100 | mg/kg |
|-----|-----|------|------|-------|

Toxicity values: No data available.

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: Nausea and stomach pain may occur.

Inhalation: No symptoms.

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

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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.

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Section 15: Regulatory information

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

Specific regulations: Ingredients according to Regulation (EC) No 648/2004: none

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: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* 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: Mrs. Klumpe, Mr. Reimer

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

Flammability: The product has been tested for self-sustaining combustion (L.2)

Health hazards: Calculation method

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

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.