

According to Regulation (EC) No 1907/2006

Gastro Kleen

Version number: 4.1
Issued: 2025-01-28
Replaces SDS: 2022-02-09



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

1.1. Product identifier

Trade name

Gastro Kleen

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

Relevant identified uses

Professional cleaner for food sales counters and food production areas for professional users.

Not suitable for use in

All other uses are discouraged.

1.3. Details of the supplier of the safety data sheet

Supplier

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10

32120 Hiddenhausen

Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

Contact person

Regulatory Affairs

Email address

info@kleen-purgatis.de

1.4. Emergency telephone number

+49 (0)551 - 19240 (GIZ-Nord)

Available outside office hours

Yes

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

2.2. Label elements

The product does not require labelling in accordance with CLP Regulation (EC) No 1272/2008.

2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
ethanol	64-17-5 200-578-6 01-2119457610-43-xxxx 603-002-00-5	5 - 15%	Flam. Liq. 2, Eye Irrit. 2	H225, H319 - -	-
3-butoxypropan-2-ol	5131-66-8 225-878-4 01-2119475527-28-xxxx 603-052-00-8	1 - 3%	Skin Irrit. 2, Eye Irrit. 2	H315, H319 - -	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

First responders: Pay attention to self-protection.

Inhalation

Take the victim into fresh air. If symptoms persist, call a physician.

Skin contact

Wash off with soap and water. If skin irritation or rash occurs, seek medical advice/attention.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

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Ingestion

Clean mouth with water and drink afterwards plenty of water.

Information for doctors

Show this safety data sheet to the doctor in attendance.

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

Immediate effects can be expected after long-term exposure.

Inhalation

Inhalation of vapours in high concentration may cause irritation of respiratory system.

Skin contact

May cause skin irritation.

Eye contact

May cause eye irritation.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, extinguishing powder, foam or carbon dioxide.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Measures in case of fire

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation.

6.2. Environmental precautions

Prevent further leakage or spillage.

6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4. Reference to other sections

For information on storage and handling see section 7.

For information on exposure and personal protective equipment, see Section 8.

For information on incompatible materials, see Section 10.

For information on disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Avoid direct contact with the material / product.

General hygiene

Wash hands after handling.

When using, do not eat, drink or smoke.

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and animal feeding stuffs. Store in a place accessible by authorized persons only.

Storage class according to TRGS 510: 10 (flammable liquids)

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in original container.

Storage temperature: 10°C to 40°C

7.3. Specific end use(s)

PC35 - Washing and cleaning products (including solvent based products)

See section 1.2: Professional cleaner for food sales counters and food production areas

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
ethanol (64-17-5/200-578-6)	DNEL	Chronic (long term) Oral	87 mg/m ³	Consumers	Systemic
ethanol (64-17-5/200-578-6)	DNEL	Chronic (long term) Dermal	343 mg/m ³	Workers	Systemic
ethanol (64-17-5/200-578-6)	DNEL	Chronic (long term) Inhalation	950 mg/m ³	Workers	Systemic
3-butoxypropan-2-ol (5131-66-8/225-878-4)	DNEL	Chronic (long term) Oral	12.5 mg/kg	Consumers	Systemic
3-butoxypropan-2-ol (5131-66-8/225-878-4)	DNEL	Chronic (long term) Dermal	52 mg/kg	Workers	Systemic
3-butoxypropan-2-ol (5131-66-8/225-878-4)	DNEL	Chronic (long term) Inhalation	147 mg/m ³	Workers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
ethanol (64-17-5/200-578-6)	PNEC	Marine water	0.79 mg/l
ethanol (64-17-5/200-578-6)	PNEC	Sediment (marine water)	2.9 mg/kg
ethanol (64-17-5/200-578-6)	PNEC	Soil	0.63 mg/kg
ethanol (64-17-5/200-578-6)	PNEC	Sewage Treatment Plant	580 mg/l
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Marine water	0.0525 mg/l
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Sewage Treatment Plant	10 mg/l
3-butoxypropan-2-ol (5131-66-8/225-878-4)	PNEC	Soil	0.16 mg/kg dwt

8.2. Exposure controls

Appropriate engineering controls

Not required because of small size of the container.

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Eye / face protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Hand protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Other skin protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Respiratory protection

This type of personal protective equipment is not necessary under normal and foreseeable use of the product.

Thermal hazards

Not applicable

Environmental exposure controls

No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

colourless

Odour

characteristic

Odour threshold

Not determined for the mixture.

Melting point / freezing point

No data available

Boiling point or initial boiling point and boiling range

> 35 °C

Flammability

Not applicable.

Lower and upper explosion limit

The product / mixture has no explosive properties.

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Flash point

≥ 38 °C

Auto-ignition temperature

No data available

Decomposition temperature

Not determined for the mixture.

pH

9

Method

100% (pure product)

Kinematic viscosity

Not determined for the mixture.

Viscosity, dynamic

Not determined for the mixture.

Solubility

No data available

Water solubility

miscible

Partition coefficient n-octanol/water

Not determined for the mixture.

Vapour pressure

Not determined for the mixture.

Density and/or relative density

0.978 g/cm³

Relative vapour density

Not determined for the mixture.

Evaporation Rate

Not determined for the mixture.

Explosive properties

The product / mixture has no explosive properties.

Oxidising properties

The product / mixture has no oxidizing properties.

VOC (CH) %

17 %

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Particle characteristics

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

9.2. Other information

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

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at normal conditions

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Keep away from flames and hot surfaces.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

For information on combustion products, see Section 5.

Hazardous decomposition products formed under fire conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicology data for the components .

Acute toxicity

Based on the available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
ethanol 64-17-5 / 200-578-6	LD50	10.470 mg/kg	Oral	-	rat	OECD 401
ethanol 64-17-5 / 200-578-6	LD50	> 2.000 mg/kg	Dermal	-	rabbit	OECD 402

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
ethanol 64-17-5 / 200-578-6	LC50	> 20 mg/l	Inhalation	4 h	mouse	-
3-butoxy- propan-2-ol 5131-66-8 / 225-878-4	LD50	3.300 mg/kg	Oral	-	rat	-
3-butoxy- propan-2-ol 5131-66-8 / 225-878-4	LD50	>2.000 mg/kg	Skin contact	-	rat	-

Skin corrosion/irritation

Based on the available data, the classification criteria are not met.

Serious eye damage/irritation

Based on the available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met.

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenicity

Based on the available data, the classification criteria are not met.

Reproductive toxicity

Based on the available data, the classification criteria are not met.

STOT-single exposure

Based on the available data, the classification criteria are not met.

STOT-repeated exposure

Based on the available data, the classification criteria are not met.

Aspiration hazard

Based on the available data, the classification criteria are not met.

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11.2. Information on other hazards

Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
ethanol 64-17-5 / 200-578-6	LC50	8.140 mg/l	48 h	Golden orfe
3-butoxypropan-2-ol 5131-66-8 / 225-878-4	LC50	560-1.000 mg/l	96h	Poecilia reticulata (guppy)

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
ethanol 64-17-5 / 200-578-6	EC50	275 mg/l	72 h	Chlorella vulgaris (Fresh water algae)	OECD 201
3-butoxypropan-2-ol 5131-66-8 / 225-878-4	EC50	>1.000 mg/l	96h	Pseudokirchneriella subcapitata	-

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
ethanol 64-17-5 / 200-578-6	EC50	> 10.000 mg/l	48 h	Daphnia magna (Water flea)
3-butoxypropan-2-ol 5131-66-8 / 225-878-4	EC50	>1.000 mg/l	48h	Daphnia magna (Water flea)

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Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
3-butoxypropan-2-ol 5131-66-8 / 225-878-4	EC50	>1.000 mg/l	3h	Bacteria

12.2. Persistence and degradability

Persistence and degradability

The surfactants contained in this mixture / product meet the requirements for biodegradability in accordance with Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential

No information available

12.4. Mobility in soil

Mobility

No information available

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

12.7. Other adverse effects

Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

Other

German Water Class

WGK1 - slightly water endangering

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging: Dispose of as unused product.

Waste code	Description
20 01 29*	detergents containing hazardous substances

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3. Transport hazard class(es)

Label

Not classified as dangerous in the meaning of transport regulations.

14.4. Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5. Environmental hazards

Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

14.7. Maritime transport in bulk according to IMO instruments

Not classified as dangerous in the meaning of transport regulations.

Other

Not applicable

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SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 648/2004 (detergents)
Ingredients according to Annex VII: Not applicable

Regulation (EC) No. 1272/2008 (CLP)

EU Regulation (EC) No. 1907/2006 (REACH)
Substances subject to authorization according to Annex XIV: No
Substance restrictions according to Annex XVII: No
Substances on the REACH candidate list (SVHC): No

Regulation (EU) No. 528/2012 (BPR)
Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)
Restricted raw material according to Annex I: not applicable
Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)
Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)
Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)
Seveso hazard category: not applicable

National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

SECTION 16: Other information

Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878
Rev. 4.1: General update without changes.

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Abbreviations

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 ADR - Accord relatif au transport international des marchandises Dangereuses par Route
 CAS - Chemical Abstract Service
 CLP - Classification, Labelling and Packaging
 DMEL - Derived Minimum Effect Level
 DNEL - Derived no effect level
 EC50 - Half maximal effective concentration 50%
 GHS - Globally Harmonised System
 IATA - International Air Transport Association
 IMDG - International Maritime Dangerous Goods
 LC50 - Lethal concentration 50%
 LD50 - Lethal dosis 50 %
 MARPOL - International Convention for the Prevention of Pollution from Ships
 PBT - Persistent, bioaccumulative and toxic substance
 PEC - Predicted Environmental Concentration
 PNEC - predicted no effect concentration
 REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses
 SVHC - Substance of very high concern
 vPvB - Very persistent, very bioaccumulative substance

References to key literature and data sources

REACH registration dossiers
 ECHA C&L - Inventory
 Safety data sheets from raw material suppliers

Evaluation methods for classification

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:
 Health hazards: calculation method
 Physical hazards: The product has been tested for self-sustaining combustion (L.2)

Phrase meaning

Flam. Liq. 2 - Flammable liquids, hazard category 2
 Skin Irrit. 2 - Skin irritation, hazard category 2
 Eye Irrit. 2 - Eye irritation, hazard category 2
 H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

Other

Additional information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

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Manufacturer's notes

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.