

SAFETY DATA SHEET

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

KLEEN
PURGATIS

Page: 1

Compilation date: 25.09.2014

Revision date: 01.07.2019

Revision No: 2.1

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

1.1. Product identifier

Product name: KLEEN FREEZER CLEANER

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

Use of substance / mixture: Freezer room cleaner for professional/private users

1.3. Details of the supplier of the safety data sheet

Company name: KLEEN PURGATIS GmbH

Dieselstraße 10

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)551 - 19240 (GIZ-Nord)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 3: H226

Most important adverse effects: Flammable liquid and vapour.

2.2. Label elements

Label elements:

Hazard statements: H226: Flammable liquid and vapour.

Hazard pictograms: GHS02: Flame



Signal words: Warning

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243: Take action to prevent static discharges.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

[cont...]

SAFETY DATA SHEET

FREEZER CLEANER

Page: 2

Rinse skin with water.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

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
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	20-<50%

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: If conscious, give half a litre of water to drink immediately.

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 pain and redness.

Ingestion: Nausea and stomach pain may occur. There may be confusion, aggressive behaviour, slurred speech and staggering walk.

Inhalation: Drowsiness or mental confusion may occur.

Delayed / immediate effects: Immediate effects can be expected after long-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: Water spray. Alcohol resistant foam. Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

[cont...]

SAFETY DATA SHEET

FREEZER CLEANER

Page: 3

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.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 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: Keep container tightly closed. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): GISCODE: GU55

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	-	-

[cont...]

SAFETY DATA SHEET

FREEZER CLEANER

Page: 4

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Not applicable.

Eye protection: Not applicable.

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: Alcoholic

Evaporation rate: Fast

Oxidising: No data available.

Solubility in water: Miscible

Viscosity: Non-viscous

Boiling point/range°C: No data available.

Flammability limits %: lower: No data available.

Flash point°C: 23 - 60

Autoflammability°C: No data available.

Relative density: 0,94 g/ml

VOC g/l: 40%

Melting point/range°C: Not applicable.

upper: No data available.

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

Vapour pressure: No data available.

pH: 9

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.

10.4. Conditions to avoid

Conditions to avoid: Heat. Sources of ignition.

10.5. Incompatible materials

Materials to avoid: Not applicable.

[cont...]

SAFETY DATA SHEET

FREEZER CLEANER

Page: 5

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

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 pain and redness.

Ingestion: Nausea and stomach pain may occur. There may be confusion, aggressive behaviour, slurred speech and staggering walk.

Inhalation: Drowsiness or mental confusion may occur.

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: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

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 product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

[cont...]

SAFETY DATA SHEET

FREEZER CLEANER

Page: 6

13.1. Waste treatment methods

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

Recovery operations: Not applicable.

Disposal of packaging: Clean with water.

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

Section 14: Transport information

14.1. UN number

UN number: UN1170

14.2. UN proper shipping name

Shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Limited Quantity (LQ): 5l

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: D/E

Transport category: 3

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: Not applicable.

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

[cont...]

SAFETY DATA SHEET

FREEZER CLEANER

Page: 7

Department issuing MSDS: Product Development Department;

Contact: Mrs. Klumpe, Mr. Rethmeier

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

Determination of physical data (flash point)

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

H226: Flammable liquid and vapour.

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.