

**SAFETY DATA SHEET**

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

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**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** KLEEN PRO PICCOMAT**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Floor cleaner for machine application 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:** Eye Irrit. 2: H319; Skin Irrit. 2: H315**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation.**2.2. Label elements****Label elements:****Hazard statements:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

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

P264: Wash hands thoroughly after handling.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

[cont...]

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## 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:

2-BUTOXYETHANOL - REACH registered number(s): 01-2119475108-36-0000

EINECS	CAS	SCL	CLP Classification	Percent
203-905-0	111-76-2	-	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	5-10%

ALKYLBENZENE SULFONATE - REACH registered number(s): 01-2119489428 -22-0000

EINECS	CAS	SCL	CLP Classification	Percent
270-115-0	68411-30-3	-	Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315	1-<3%

ALCOHOL ALCOXYLATE - REACH registered number(s): 02-2119630747-33-0000

EINECS	CAS	SCL	CLP Classification	Percent
-	166736-08-9	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-5%

1-PROPOXY-2-PROPANOL - REACH registered number(s): 01-2119474443-37-0000

EINECS	CAS	SCL	CLP Classification	Percent
216-372-4	1569-01-3	-	Flam. Liq. 3: H226; Eye Irrit. 2: H319	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. Do not induce vomiting. Consult a physician if problems persist.

**Inhalation:** Provide fresh air.

### 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:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

[cont...]

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

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance.

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

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** not necessary.

### 6.2. Environmental precautions

**Environmental precautions:** Dilute with water.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). 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:** No special measures are necessary.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Keep away from food, drink and animal feedingstuffs. Storage class: 12 (Non-combustible liquids)

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** GISCODE: GG60

## Section 8: Exposure controls/personal protection

[cont...]

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## 8.1. Control parameters

**Hazardous ingredients:**

### 2-BUTOXYETHANOL

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	25 ppm	50 ppm	-	-

## DNEL/PNEC Values

**Hazardous ingredients:**

### 2-BUTOXYETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	98 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (repeated dose)	75 mg/kg	Workers	Systemic
DNEL	Oral (repeated dose)	3,2 mg/kg	Consumers	Systemic
DNEL	Oral, akut	13,4 mg/kg	Consumers	Systemic
DNEL	Inhalativ, akut	426 mg/m <sup>3</sup>	Consumers	Systemic
PNEC	Fresh water	8,8 mg/l	-	-
PNEC	Marine water	0,88 mg/l	-	-
PNEC	Soil (agricultural)	2,8 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	463 mg/l	-	-

### ALKYLBENZENE SULFONATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	170 mg/kg	Workers	Systemic
DNEL	Inhalation	12 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Oral	0,85 mg/kg	Consumers	Systemic
PNEC	Microorganisms in sewage treatment	3,43 mg/l	-	-
PNEC	Fresh water sediments	8,1 mg/kg	-	-
PNEC	Marine water	0,0268 mg/l	-	-

## 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 required.

**Skin protection:** Not applicable.

**Environmental:** No special requirement.

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## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Blue

**Odour:** fresh

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Miscible

**Viscosity:** Non-viscous

**Boiling point/range°C:** No data available.

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** Not applicable.

**upper:** Not applicable.

**Flash point°C:** No data available.

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

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** 1,03 g/ml

**pH:** 11

**VOC g/l:** 6,8%

### 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:** No hazardous decomposition products if stored and handled as prescribed.

### 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

### 11.1. Information on toxicological effects

[cont...]

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## Hazardous ingredients:

### 2-BUTOXYETHANOL

DERMAL	RBT	LD50	400	mg/kg
VAPOURS	RAT	4H LC50	1-5	mg/l

### ALKYLBENZENE SULFONATE

ORL	RAT	LD50	1470	mg/kg
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### ALCOHOL ALCOXYLATE

ORL	RAT	LD50	>2000	mg/kg
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### 1-PROPOXY-2-PROPANOL

DERMAL	RBT	LD50	3818	mg/kg
ORL	RAT	LD50	3449	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:** There may be irritation of the throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

## Section 12: Ecological information

### 12.1. Toxicity

## Hazardous ingredients:

### 2-BUTOXYETHANOL

Daphnia magna	24H EC50	1800	mg/l
Oncorhynchus mykiss	96H LC50	1700	mg/l
Selenastrum capricornutum	72H EC50	911	mg/l

### ALKYLBENZENE SULFONATE

Daphnia magna	48H EC50	2.9	mg/l
Lepomis macrochirus	96H LC50	1.67	mg/l
Scenedesmus Subspicatus	72H EC50	47.3	mg/l

[cont...]

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## ALCOHOL ALCOXYLATE

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

## 1-PROPOXY-2-PROPANOL

Daphnia magna	48H EC50	>100	mg/l
Oncorhynchus mykiss	96H LC50	>100	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 product is not identified as a PBT/vPvB 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.

## 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

**Specific regulations:** Ingredients according to Regulation (EC) No 648/2004: <5% non-ionic surfactants, anionic surfactants, soap, phosphates, phosphonates, perfumes, LIMONENE

### 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.

[cont...]

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## 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]:**

Calculation method

**Phrases used in s.2 and s.3:** H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H412: Harmful to aquatic life with long lasting effects.

**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.