



SAFETY DATA SHEET

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

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Compilation date: 09.06.2011

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Revision No: 3.1

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

1.1. Product identifier

Product name: KLEEN HYGIENE BUDESIN U

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

Use of substance / mixture: Wide band disinfectant 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 - 9970-50

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: Skin Corr. 1B: H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements

Label elements under CLP:

Hazard statements: H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion



Hazard components for labelling: Benzalkonium chloride, Didecyldimethylammonium chloride, C12-14-Alkyldimethyl(ethylbenzyl)ammonium chloride

Precautionary statements: P102: Keep out of reach of children.

P280: Wear protective gloves/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.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

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P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P312: Call a POISON CENTER or doctor if you feel unwell.

P405: Store locked up.

P501: Dispose of contents/container to problem waste.

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:

BENZYL C12-16-ALKYLDIMETHYL, CHLORIDES - REACH registered number(s): 01-2119983287-23-0000

EINECS	CAS	CLP Classification	Percent
270-325-2	68424-85-1	Aquatic Acute 1: H400; Skin Corr. 1B: H314; Acute Tox. 4: H302	1-5%

DIDECYLDIMETHYLAMMONIUM CHLORIDE - REACH registered number(s): 01-2119945987-15-0000

230-525-2	7173-51-5	Acute Tox. 4: H302; Skin Corr. 1B: H314	1-5%
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C12-14-ALKYLDIMETHYL(ETHYLBENZYL) AMMONIUM CHLORIDE

287-090-7	85409-23-0	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400	1-5%
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PROPAN-2-OL - REACH registered number(s): 01-2119457558-25-0000

200-661-7	67-63-0	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-5%
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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: Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.

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 severe pain. The eyes may water profusely. The vision may become blurred.
May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Not applicable.

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

[cont...]

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Dry chemical powder. Water spray.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of nitrogen oxides. In combustion emits toxic fumes of hydrogen chloride / phosgene.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear protective clothing to prevent contact with skin and eyes. 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: Refer to section 8 of SDS for personal protection details. Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. In case of entry into waterways, soil or drains, inform the responsible authorities.

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: 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 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: GD40

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

PROPAN-2-OL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m ³	1250 mg/m ³	-	-

8.2. Exposure controls

Engineering measures: Not applicable.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves. Suitable material: NR (natural rubber), CR (polychloroprene) or NBR (nitrile rubber), category III according to EN 374. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Breakthrough time (maximal wear duration): Wear duration with occasional contact, splashes (Level 2: < 30 min): Disposable-gloves, Thickness of the material 0,1mm. Wear duration with permanent contact (Level 6: < 480min): Protective gloves, Thickness of the glove material 0,7 mm. Breakthrough times and swelling properties of the material must be taken into consideration.

Eye protection: Safety glasses with side-shields.

Skin protection: Not applicable.

Environmental: Ensure a retention tank is installed.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: like soap

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Viscosity: Non-viscous

Kinematic viscosity: 13 mPas

Boiling point/range°C: No data available.

Flammability limits %: lower: No data available.

Flash point°C: >61

Autoflammability°C: No data available.

Relative density: 0,985 g/ml

VOC g/l: <3%

Melting point/range°C: Not applicable.

upper: No data available.

Part.coeff. n-octanol/water: n.b.

Vapour pressure: Not applicable.

pH: 8

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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

Hazardous ingredients:

BENZALKONIUM CHLORIDE

ORL	RAT	LD50	600	mg/kg
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DIDECYLDIMETHYLAMMONIUM CHLORIDE

IPR	RAT	LD50	45	mg/kg
ORL	MUS	LD50	268	mg/kg

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

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 severe pain. The eyes may water profusely. The vision may become blurred.
May cause permanent damage.

[cont...]

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Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Not applicable.

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

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

BENZALKONIUM CHLORIDE

Daphnia magna	48H EC50	<1	mg/l
Oncorhynchus mykiss	96H LC50	<1	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: 07 06 99

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

14.1. UN number

UN number: UN1903

14.2. UN proper shipping name

Shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Benzalkonium chloride, Didecyldimethylammonium chloride, C12-14-Alkyldimethyl(ethylbenzyl)ammonium chloride

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14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: III

Limited Quantity (LQ): 5l

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

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: H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

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.