

**SAFETY DATA SHEET**

according to regulation  
(EC) No.1907/2006 (REACH)

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Compilation date: 07.12.2010

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Revision No: 5.3

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** KLEEN HYGIENE OROSEPT K**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Desinfectant cleaner for professional 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:** Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 3: H412**Most important adverse effects:** Causes serious eye damage. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.**2.2. Label elements****Label elements:****\*Hazard statements:** H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

**\*Hazard pictograms:** GHS05: Corrosion

GHS09: Environmental

**Signal words:** Danger**Hazard-determining components of labeling:** Didecyldimethylammonium chloride, isotridecanol, ethoxylated.**\*Precautionary statements:** P273: Avoid release to the environment.

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P280: Wear eye protection.

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

P310: Immediately call a POISON CENTER or doctor.

P391: Collect spillage.

P501: Dispose of contents/container to problem waste.

### 2.3. Other hazards

This mixture does not contain substances, that are identified as PBT or vPvB.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### \*Hazardous ingredients:

ISOTRIDECANOL, ETHOXYLATED

EINECS	CAS	SCL	CLP Classification	Percent
-	69011-36-5	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%

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

230-525-2	7173-51-5	-	Acute Tox. 3: H301; Skin Corr. 1B: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411	1-10%
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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	1-10%
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SODIUM CARBONATE - REACH registered number(s): 01-2119485498-19-0000

207-838-8	497-19-8	-	Eye Irrit. 2: H319	1-10%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

### 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 pain and redness. The eyes may water profusely. There may be severe pain. 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. Nausea and stomach pain may occur.

**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 short-term exposure.

**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:** Alcohol resistant foam. Dry chemical powder. Water spray. Use water spray to cool containers. Extinguishing media which must not be used for safety reasons: Full water jet.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

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

**\*Personal precautions:** Wear personal protection equipment. Eliminate all sources of ignition. Provide adequate ventilation. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**\*Clean-up procedures:** Neutralise with dilute hydrochloric acid. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

**\*Reference to other sections:** See Section 7 for handling and storage. See Section 8 for information on exposure controls. See section 13 for disposal information.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**\*Handling requirements:** Wear personal protective equipment. Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area. Keep away from sources of ignition - No smoking.

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**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):** No data available.

**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 <sup>3</sup>	1250 mg/m <sup>3</sup>	-	-

**DNEL/PNEC Values**

**Hazardous ingredients:**

**SODIUM CARBONATE**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	10 mg/m <sup>3</sup>	Workers	-

**8.2. Exposure controls**

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

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Environmental:** No special requirement.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Colourless

**Odour:** product specific

**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:** Not applicable.

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**Autoflammability°C:** Not applicable.

**Relative density:** 1,02 g/ml

**VOC g/l:** <3%

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

**Vapour pressure:** No data available.

**pH:** 11-12

**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:** Heat. Sources of ignition. Flames.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**ISOTRIDECANOL, ETHOXYLATED**

ORL	RAT	LD50	>200-2000	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
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ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

**SODIUM CARBONATE**

ORL	MUS	LD50	6600	mg/kg
ORL	RAT	LD50	4090	mg/kg
SCU	MUS	LD50	2210	mg/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 pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**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 short-term exposure.

**Section 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**ISOTRIDECANOL, ETHOXYLATED**

Cyprinus carpio	96H LC50	>1-10	mg/l
Daphnia magna	48H EC50	>1-10	mg/l

**SODIUM CARBONATE**

Frischwasser Invertebraten	48H EC50	200-227	mg/l
Lepomis macrochirus	96H LC50	300	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

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

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**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:** 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:** UN3082

**14.2. UN proper shipping name**

**\*Shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Didecyldimethylammonium chloride)

**14.3. Transport hazard class(es)**

**\*Transport class:** 9

**14.4. Packing group**

**\*Packing group:** III

**14.5. Environmental hazards**

**\*Environmentally hazardous:** Yes

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** -

**\*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: Contains 5 - 15 % anionic surfactants,  
< 5 % cationic surfactants  
Active Substance according to Regulation (EU) No. 528/2012: Didecyldimethylammonium chloride (4.5%).

**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.

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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. Rethmeier

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:** H225: Highly flammable liquid and vapour.

H310: Toxic if swallowed

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.