



# SAFETY DATA SHEET

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

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Compilation date: 18.05.2011

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Revision No: 4.1

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

### 1.1. Product identifier

Product name: BUDESIN OP-SEPT

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

Use of substance / mixture: Alcoholic hand disinfection solution 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: Flam. Liq. 3: H226; Eye Irrit. 2: H319; STOT SE 3: H336

Most important adverse effects: Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

### 2.2. Label elements

#### Label elements under CLP:

Hazard statements: H226: Flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Signal words: Warning

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



Precautionary statements: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P261: Avoid breathing vapours.

[cont...]

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P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370+378: In case of fire: Use CO<sub>2</sub>, powder oder water spray jet for extinction.

P337+313: If eye irritation persists: Get medical advice.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of container/contents to problem waste.

### 2.3. Other hazards

**Other hazards:** The product induces a narcotic effect.

**PBT:** This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

PROPAN-2-OL - REACH registered number(s): 01-2119457558-25-0000

EINECS	CAS	SCL	CLP Classification	Percent
200-661-7	67-63-0	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	50-100%

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Not applicable.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Consult a doctor.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If there is difficulty in breathing, give oxygen.

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

**Skin contact:** There may be mild irritation at the site of contact. Has degreasing effect on the skin.

**Eye contact:** There may be irritation and pain. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. May cause drowsiness. There may be loss of consciousness. There may be confusion, aggressive behaviour, slurred speech and staggering walk.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

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

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

## Section 5: Fire-fighting measures

[cont...]

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## 5.1. Extinguishing media

**Extinguishing media:** Water. Alcohol resistant foam. Carbon dioxide. Dry chemical powder.

## 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. Prevent the extinguishing water into surface water or groundwater.

## Section 6: Accidental release measures

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

**Personal precautions:** Eliminate all sources of ignition. If outside keep bystanders upwind and away from danger point.

### 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:** Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Refer to section 13 of SDS for suitable method of disposal.

### 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. Keep away from sources of ignition. Ensure lighting and electrical equipment are not a source of ignition. Keep away from food, drink and animal feedingstuffs.

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

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

PROPAN-2-OL

[cont...]

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## 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>	-	-

## 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:** Ensure eye bath is to hand.

**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:** Oxidising (by EC criteria)

**Solubility in water:** Miscible

**Viscosity:** Non-viscous

**Kinematic viscosity:** 2 mPas

**Boiling point/range°C:** ca. 80

**Flammability limits %: lower:** 2

**Flash point°C:** 21,5

**Autoflammability°C:** >400

**Relative density:** 0,876 g/ml

**VOC g/l:** 63%

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

**upper:** 12

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

**Vapour pressure:** 43 hPa

**pH:** 7

### 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.

[cont...]

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## 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

## 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:**

#### 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 mild irritation at the site of contact. Has degreasing effect on the skin.

**Eye contact:** There may be irritation and pain. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. May cause drowsiness. There may be loss of consciousness. There may be confusion, aggressive behaviour, slurred speech and staggering walk.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

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

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** no data available.

[cont...]

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## 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:** 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:** UN1219

### 14.2. UN proper shipping name

**Shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL); LQ: 1I

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** D/E

**Transport category:** 2

## 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

[cont...]

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## 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.

H226: Flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

**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.