



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 19.11.2018
Date of entry into force: 19.11.2018

Version: 11
Replaces version: -

Hospisept-Tuch

This is the English translation of the German SDS (for Germany).

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

1.1 Product identifier

Trade name: Hospisept-Tuch (Hospisept-wipes)

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

Use of the mixture:

Disinfection of healthy, uninjured skin and small, alcohol-resistant surfaces

1.3 Details of the supplier of the safety data sheet

Department providing information: Department of Science and Technology Berlin

E-mail: kontakt@lysoform.de
Telephone: +49 30 77992-226

Supplier (distributor):

Lysoform Dr. Hans Rosemann GmbH
Kaiser-Wilhelm-Str. 133
D-12247 Berlin
Tel.: +49 30 / 77992-0
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1.4 Emergency telephone number Germany

Munich toxicological department
Klinikum rechts der Isar
Ismaninger Str. 22, 81675 Muenchen
Tel.: +49 89 19240
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Section 2: Hazards identification

2.1 Classification of the substance or mixture

CLP classification (EG) Nr. 1272/2008:

Flam. Liq.: Kat.3 H226
Eye Irrit.: Kat.2 H319
STOT SE: Kat. 3 H336



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2.2 Label elements

Symbols und signal word:



Warning

Hazard statements:

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements:

P233 Keep container tightly closed.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P305 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if easy
P351 + to do. Continue rinsing.
P338
P337 + If eye irritation persists: Get medical advice.
P313

Hazardous ingredient for labelling:

Propan-1-ol, Ethanol

2.3 Other hazards

The mixture does not meet the criteria for classification as PBT or vPvB.

Section 3: Composition/information on ingredients

3.1 Substances

This product is a mixture.

3.2 Mixtures

Chemical characterization:

Propan-1-ol

EG-No: 200-746-9 CAS-No: 71-23-8 REACH-Reg.no: 01-2119486761-29

Quantity : A wet wipe contains an average of 1.1 g

Flam. Liq.: Kat.2 H225 Highly flammable liquid and vapour.

Eye Dam.: Kat.1 H318 Causes serious eye damage.

STOT SE: Kat.3 H336 May cause drowsiness or dizziness.



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Ethanol

EG-No: 200-578-6 CAS-No: 64-17-5 REACh-Reg.no: 01-2119457610-43

Quantity : A wet wipe contains an average of 0.3 g

Flam. Liq.: Kat.2 H225 Highly flammable liquid and vapour.

Eye Irrit.: Kat.2 H319 Causes serious eye irritation.

Section 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately seek medical advice. Show the Safety Data Sheet, container or label.

Inhalation:

Supply fresh air.

Skin contact:

n.a.

Eye contact:

Rinse opened eye for several minutes with plenty of drinking water. If eye irritation persists seek medical advice.

Ingestion:

Do not induce vomiting. Rinse mouth with drinking water and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Acute: mucous membrane irritation

4.3 Indication of any immediate medical attention and special treatment needed

No information

Section 5: Firefighting measures

5.1 Extinguishing media

Water spray, carbon dioxide, dry powder, alcohol-resistant foam

5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gas may develop:

For example: carbon monoxide, carbon dioxide and explosive vapour / air mixtures

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Cool endangered containers or persons with water spray.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep ignition sources away - do not smoke.

Ensure adequate ventilation.



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6.2 Environmental precautions

Do not allow to reach sewage system / surface or ground water.

6.3 Methods and material for containment and cleaning up

No special recommendations

6.4 Reference to other sections

Safe handling (section 7), personal protective equipment (section 8) and disposal considerations (section 13)

Section 7: Handling and storage

7.1 Precautions for safe handling

Notes for safe handling:

Keep container tightly closed. Ensure good ventilation / exhaustion at the workplace. Before using electrical equipment, wait for the alcoholic disinfectant to dry on the surfaces. Caution near alcohol-sensitive materials (for example: acrylic, paint, pickling, lacquered jewellery or watches of certain plastic).

Notes on general hygiene measures at the workplace:

Wash your hands before the break and at the end of work. Avoid contact with eyes.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Keep cool, but frost-free, well ventilated and dry. Keep out of the reach of children. Store in the original container.

Further information about storage conditions

Keep away from heat and direct sunlight.

Keep separate from food.

Information about fire and explosion protection

Keep ignition sources away - do not smoke. Take measures to prevent electrostatic charging.

Storage class: 11 (TRGS 510)

7.3 Specific end use(s)

No specific end use known.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Ingredient	CAS-No	Value	Base
Ethanol	64-17-5	Occupational Exposure Limits: 380 mg/m ³ , 200 ml/m ³ 4(II) DFG, Y	TRGS 900
With proper handling of the alcoholic preparation, you are below the limits.			



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8.2 Exposure controls

Individual protection measures - Personal protective equipment:

General health and safety measures

Keep away from foodstuff, beverages and feed. Avoid contact with eyes.

Respiratory protection

Not required

Hand protection

Not required

Skin protection

In order to prevent skin irritations in the professional field, the following is - regardless of the actual contact with disinfectants - recommended:

- Fast skin penetrating care cream in between if needed.
- A greasy cream after washing at the end of work or before work breaks.

Eye / face protection

Not required

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

If no information on the mixture is available, relevant information on ingredients may also be provided in the form "ingredient: indication".

Odour:	Characteristic
Odour threshold:	Ethanol: 19 – 93 mg/m ³ (0.001 - 0.0048 Vol.%)
pH at 20 °C:	n.a.
Melting point:	Ethanol: -114.5 °C (OECD 102) Propan-1-ol: -127.05 °C
Initial boiling point / boiling range:	n.a.
Flash point of the fluid:	26 °C (DIN 51755)
Evaporation rate:	Not determined
Flammability:	The product is not self-igniting.
Explosion limits in air:	n.a.
Vapour pressure:	Ethanol: 59 hPa / 20 °C Propan-1-ol: 28 hPa / 25 °C
Vapour density, relative (air = 1):	Ethanol: 1.59
Density at 20 °C:	n.a.
Solubility in water:	n.a.
Partition coefficient n-octanol / water:	For a mixture not applicable.
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not applicable, no known decomposition
Viscosity:	Not determined
Oxidising properties:	Not determined

9.2 Other information

Further physical and chemical data have not been determined.



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Section 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions if stored and used as described.

10.2 Chemical stability

No decomposition if stored and used as described.

10.3 Possibility of hazardous reactions

No hazardous reactions if stored and used as described.

10.4 Conditions to avoid

See section 7

10.5 Incompatible materials

No incompatible materials known.

10.6 Hazardous decomposition products

No decomposition if stored and used as described.

Section 11: Toxicological information

11.1 Information on toxicological effects

The active compounds have been extensively studied with regard to the toxic profile. The exposure is safe if handled as prescribed. In consideration of the wipes no deviant results are expected. The wipes were therefore not examined in all categories. For toxicological effects use the information on hazardous substances.

11.1.1 For the mixture:

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

OECD 405 rabbit: „irritant“ (analogy)

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available



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STOT-repeated exposure

No data available

Aspiration hazard

No data available

Symptoms and effects (delayed and chronic) with details of the routes of exposure

Also: information on toxicokinetics, metabolism and distribution

No data available

11.1.2 For the substance:

Ethanol

Primary irritant effect:

Eyes: irritant (OECD- guideline 405)

Skin: not irritant (OECD- guideline 404)

Sensitization:

No sensitization (OECD 429 (Skin Sensitization - Local Lymph Node Assay))

Germ cell mutagenicity : It is not considered to be mutagenic.
OECD 471 / 475 / 476 / 473 / 471

Teratogenicity : No effects on or through the lactation

Symptoms:

Shortness of breath, drowsiness, unconsciousness, drop in blood pressure, vomiting, coughing, headache, intoxication, drowsiness, mucosal irritation, dizziness, nausea

Experiences with humans:

Excessive use of alcohol during pregnancy induces Foetal Alcohol Syndrome (reduced birth weight, physical and mental disorders).

Propan-1-ol

Acute toxicity:

LD₅₀ rat (oral): ~8000 mg/kg

LC₅₀ rat (inhalativ): > 34 mg/l; 4h; vapor (OECD-guideline 403)

LD₅₀ rabbit (dermal): 4032 mg/kg (literature)

Primary irritant effect:

Skin: No effects

Sensitization:

No sensitization (OECD- guideline 406)

Section 12: Ecological information

The mixture was not tested for certain effects. Information on the hazardous substance should be used.

12.1 Toxicity

Ethanol

LC₅₀ in 96 h: 13000 mg/l (Oncorhynchus mykiss) OECD 203 (Fish, Acute Toxicity Test)

LC₅₀ in 48 h: 12340 mg/l (Daphnia magna)



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Propan-1-ol

EC₅₀ / 48 h: 3644 mg/l (Daphnie) (DIN 38412 part 11, static)

LC₅₀ / 96 h: 4555 mg/l (Pimephales promelas)

EC₅₀ / 3h: >1000 mg/l (bacteria) (OECD-Richtlinie 209, aquatic)

NOEC / 21 d: > 100 mg/l, Daphnia magna (OECD Richtlinie 211, semistatic)

12.2 Persistence and degradability

Ethanol

97% OECD 301 B (Ready Biodegradability - CO₂ Evolution Test)

Propan-1-ol

Easily biodegradable (OECD)

12.3 Bioaccumulative potential

Ethanol

BCF: 3.2 mg/l Log Pow: -0.32

Propan-1-ol

No bioaccumulation is to be expected.

12.4 Mobility in soil

Ethanol

No data available

Propan-1-ol

The product is mobile in an aqueous environment.

12.5 Results of PBT and vPvB assessment

The mixture does not contain any substances that are assessed as PBT or vPvB.

12.6 Other adverse effects

The mixture is classified as water hazard class 1 (by German AwSV).

Section 13: Disposal considerations

13.1 Waste treatment methods

Treatment of the mixture

Disposal in compliance with local regulations. Waste should not be disposed of via wastewater.

Treatment of contaminated packaging

Completely emptied containers can be recycled.

Waste code according to AVV

07 06 99 for the product

15 01 02 for the primary packaging

Relevant EU or other regulations

German law: KrW-/AbfG (Kreislaufwirtschafts- und Abfallgesetz)



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Section 14: Transport information

The **individually wrapped wipes** (P / N 3595) are considered **NOT HAZARDOUS** for all transports according to:

IATA-DGR / ICAO-TI: Special instruction A46

IMDG Code: Special instruction 216

ADR: Special instruction 216

14.1 UN-number: 1987

14.2 Proper shipping name

All modes of transport:

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ethanol, 1-propanol)

14.3 Transport hazard class(es)

Land: ADR/RID and GGVS/GGVE class: 4.1
Tunnel restriction code: E

Sea: IMDG/GGV Sea-class: 4.1
EMS-number: F-A, S-I

Air: ICAO-TI / IATA-DGR-class: 4.1

14.4 Packing group

II

14.5 Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: No

IMDG-Code: Marine Pollutant: No

14.6 Special precautions for user (transport company)

No

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport in bulk

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-regulations:

1907/2006 REACH / 1272/2008 CLP GHS / 528/2012 Biocidal products / 98/24/EG Risks related to chemical substances / 648/2004 Detergents

German regulations:

Chemikaliengesetz ChemG / Gefahrstoffverordnung GefStoffV / TRGS und Bekanntmachungen / Betriebssicherheitsverordnung BetrSichV / Jugendarbeitsschutzgesetz / Mutterschutzgesetz / Guidelines Berufsgenossenschaften

Other information:

Biocide: BAuA Reg.-No: N-12666, N-12667, N-12670

Medical device class IIa CE 0482



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15.2 Chemical safety assessment

For this mixture no chemical safety assessment has been carried out.

Section 16: Other information

Changes since the publication of the previous version

Version 11: First English version / Version number of the SDS is similar to the German SDS

Literature and data sources

TRGS / Gestis / professional associations / MSDS of ingredients

Methods in accordance with Article 9 of Regulation (EC) no. 1272/2008 used to evaluate the information for the purpose of classification.

Classification was based on tests, the components and the physical and chemical properties.

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product with regard to the safety requirements. The information should not be regarded in any way as a description of the nature of the goods (product specification). Any agreed property or the suitability of the product for a specific purpose can not be derived from our information in the Safety Data Sheet. We will advise you whether, the preparation is suitable for a defined purpose. Any proprietary rights and existing laws and regulations must be observed by the recipient of our product (responsibility of the recipient).