



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Hospisept-Tuch

Revision date: 31.08.2017

Product code: LYS697

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

1.1. Product identifier

Hospisept-Tuch

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

Use of the substance/mixture

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

1.3. Details of the supplier of the safety data sheet

Company name: Lysoform Dr. Hans Rosemann GmbH
Street: Kaiser-Wilhelm-Straße 133
Place: D-12247 Berlin
Telephone: +49 (0)30 77992-0
Contact person: Wissenschaftlich-Technische Abteilung Berlin
Telefax: +49 (0)30 77992-219
Telephone: +49 (0)30 / 77992-216
e-mail: kontakt@lysoform.de
Internet: www.lysoform.de

1.4. Emergency telephone number: +49 (0)89 19240 (Giftnotruf München Toxikologische Abteilung)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

propan-1-ol; n-propanol

ethanol, ethyl alcohol

Signal word: Warning**Pictograms:**

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+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if



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present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
71-23-8	propan-1-ol; n-propanol			30 - < 100 %
	200-746-9	603-003-00-0	01-2119486761-29	
	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336			
64-17-5	ethanol, ethyl alcohol			15 - < 20 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Provide fresh air.

After contact with skin

not applicable

After contact with eyes

Rinse cautiously with water for several minutes.

After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

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

No information available.

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

none

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide (CO₂), Extinguishing powder, alcohol resistant foam

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. Vapours are heavier than air, spread along floors and form explosive mixtures with air.

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂)



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5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment.

6.3. Methods and material for containment and cleaning up

No special handling advices are necessary.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Keep container tightly closed. Caution near alcohol-sensitive materials (e.g., lacquered jewelry or watches of certain type of plastic).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Further information on handling

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container dry. Avoid: Frost. Keep out of the reach of children.

Advice on storage compatibility

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

7.3. Specific end use(s)

none

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
71-23-8	Propan-1-ol	200	500		TWA (8 h)	WEL
		250	625		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
71-23-8	propan-1-ol; n-propanol			
	Worker DNEL, long-term	dermal	systemic	136 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	268 mg/m ³
	Worker DNEL, acute	inhalation	systemic	1723 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	81 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	80 mg/m ³
	Consumer DNEL, acute	inhalation	systemic	1036 mg/m ³
	Consumer DNEL, long-term	oral	systemic	61 mg/kg bw/day
64-17-5	ethanol, ethyl alcohol			
	Worker DNEL, long-term	dermal	systemic	343 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	950 mg/m ³
	Worker DNEL, acute	inhalation	local	1900 mg/m ³
	Consumer DNEL, acute	inhalation	local	950 mg/m ³
	Consumer DNEL, long-term	inhalation	systemic	114 mg/m ³
	Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	206 mg/kg bw/day

PNEC values

CAS No	Substance	Value
71-23-8	propan-1-ol; n-propanol	
	Freshwater	10 mg/l
	Marine water	1 mg/l
	Freshwater sediment	22.8 mg/kg
	Marine sediment	2.28 mg/kg
	Micro-organisms in sewage treatment plants (STP)	96 mg/l
	Soil	2.2 mg/kg
64-17-5	ethanol, ethyl alcohol	
	Freshwater	0.96 mg/l
	Marine water	0.79 mg/kg
	Freshwater sediment	3.6 mg/kg
	Micro-organisms in sewage treatment plants (STP)	580 mg/l
	Soil	0.63 mg/kg

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8.2. Exposure controls**Protective and hygiene measures**

Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

none

Hand protection

Hand protection is not required

To prevent skin irritation in the professional field - regardless of actual contact with disinfectants - it is recommended to use: • a fast absorbing skin care cream in between if necessary. • a greasy cream after washing at the end of work or before breaks.

Respiratory protection

none

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:

Colour:

colourless

Odour:

characteristic

pH-Value:

6.5-8.5

Test method**Changes in the physical state**

Melting point:

not determined

Initial boiling point and boiling range:

not determined

Flash point:

26 °C DIN 51755

Flammability

Gas:

not applicable

Explosive properties

not explosive according to EU A.14

Lower explosion limits:

not determined

Upper explosion limits:

not determined

Auto-ignition temperature

Gas:

not applicable

Decomposition temperature:

not determined

Oxidizing properties

Not oxidising.

Vapour pressure:

not determined

Partition coefficient:

not determined

Vapour density:

not determined

Evaporation rate:

not determined

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity**

Flammable. Ignition hazard

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10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Highly flammable Ignition hazard

10.4. Conditions to avoid

Safe handling: see section 7

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

The product is chemically stable under recommended conditions of storage, use and temperature.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Subacute oral toxicity (albino rats): = NOEL 1.0% in the diet (tested 4 weeks)

Acute Inhalation (rat): No signs of toxicity

Subacute inhalation (albino rats): Acceptable limit is 160 mg / m³ (safety factor 10)**ATEmix tested**

	Dose	Species	Source
LD50, oral	15.4 mg/kg	Rat	
LD50, dermal	9.4 mg/kg	Rabbit	

CAS No	Chemical name	Exposure route	Dose	Species	Source	Method
71-23-8	propan-1-ol; n-propanol	oral	LD50 8000 mg/kg	Rat		
		dermal	LD50 4032 mg/kg	Rabbit		
		inhalative (4 h) vapour	LC50 >33.8 mg/l	Rat		
64-17-5	ethanol, ethyl alcohol	oral	LD50 6200 mg/kg	Rat	IUCLID	
		inhalative (4 h) vapour	LC50 95,6 mg/l		IUCLID	

Irritation and corrosivity

In case of skin contact: Not an irritant. (BioSkin Report Nr.: 20917BS)

In case of eye contact: Rabbit: slightly irritant

Propan-1-ol:

In case of skin contact:

BASF Test: Not an irritant.

Sensitising effects

Guinea pig: not sensitising.

Propan-1-ol:

OECD 406 Guinea pig : negative.

Carcinogenic/mutagenic/toxic effects for reproduction

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Ames Test: negative.
Micronucleus test: negative.

Ethanol:
OECD 471 (Bacterial Reverse Mutation Test) Salmonella Typhimurium
negative.

STOT-repeated exposure

Ethanol:
OECD 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents) Rat
NOAEL 1730 mg/kg/d
OECD 403 (Acute Inhalation Toxicity) Rat

SECTION 12: Ecological information**12.1. Toxicity**

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
71-23-8	propan-1-ol; n-propanol					
	Acute fish toxicity	LC50 mg/l	4555	96 h	Pimephales promelas (fathead minnow)	
	Acute crustacea toxicity	EC50 mg/l	3644	48 h	Daphnia magna (Big water flea)	
	Crustacea toxicity	NOEC mg/l	>100	21 d	Daphnia magna (Big water flea)	
	Acute bacteria toxicity	(>1000 mg/l)		3 h	Activated sludge	
64-17-5	ethanol, ethyl alcohol					
	Acute fish toxicity	LC50 mg/l	13000	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50 mg/l	12340	48 h	Daphnia magna	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
71-23-8	propan-1-ol; n-propanol			
		75%	20	
	Readily biodegradable (according to OECD criteria).			
64-17-5	ethanol, ethyl alcohol			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	97%		

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
71-23-8	propan-1-ol; n-propanol	0.2
64-17-5	ethanol, ethyl alcohol	-0,32

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BCF

CAS No	Chemical name	BCF	Species	Source
71-23-8	propan-1-ol; n-propanol	0.88		
64-17-5	ethanol, ethyl alcohol	3.2		

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number:	UN 3175
14.2. UN proper shipping name:	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol,propan-1-ol; n-propanol0)
14.3. Transport hazard class(es):	4.1
14.4. Packing group:	II
Hazard label:	4.1



Classification code:	F1
Special Provisions:	216 274 601
Limited quantity:	1 kg
Excepted quantity:	E2
Transport category:	2
Hazard No:	40
Tunnel restriction code:	E

Other applicable information (land transport)

single wrapped wipes: Fulfills the criteria of special provision 216. - No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number:	UN 3175
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14.2. UN proper shipping name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol, Propanol)
14.3. Transport hazard class(es): 4.1
14.4. Packing group: II
Hazard label: 4.1



Special Provisions: 216, 274
Limited quantity: 1 kg
Excepted quantity: E2
EmS: F-A, S-I

Other applicable information (marine transport)

single wrapped wipes: Fullfills the criteria of special provision 216. - No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3175
14.2. UN proper shipping name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Ethanol, Propanol)
14.3. Transport hazard class(es): 4.1
14.4. Packing group: II
Hazard label: 4.1



Special Provisions: A46
Limited quantity Passenger: 5 kg
Passenger LQ: Y441
Excepted quantity: E2
IATA-packing instructions - Passenger: 445
IATA-max. quantity - Passenger: 15 kg
IATA-packing instructions - Cargo: 448
IATA-max. quantity - Cargo: 50 kg

Other applicable information (air transport)

single wrapped wipes: Fullfills the criteria of special provision A46. - No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

To follow: Regulation (EC) No. 648/2004 (Detergents regulation), 850/2004/EC, 1107/2009/EC, 649/2012/EC. 1907/2006 REACH / 1272/2008 CLP GHS

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 9,14.

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Further Information

The data contained in this safety data sheet is based on our current knowledge and experience and describe the product with regard to safety requirements. The information should not be regarded in any way as a description of the product's properties (product specification). Agreed characteristics nor the suitability of the product for a specific purpose can not be derived from the information in the SDS. We will advise you as to whether and under what circumstances, the preparation is suitable for a defined purpose. Proprietary rights and existing laws and regulations must be respected by the receiver of our product.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)