

Meliseptol HBV Tissues

Revision date: 30.12.2020

Product code: 00056-0024

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Meliseptol HBV Tissues

UFI: 35KV-379N-9005-HG8U

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

Fast acting alcoholic disinfectant for small surfaces / for medical devices

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name: B. Braun Medical AG
Street: Seesatz 17
Place: CH-6204 Sempach
Responsible Department: Zentrale
Telephone: +41 (0) 58 / 258 50 00
E-Mail: info.bbmch@bbraun.com
Responsible for the safety data sheet: sds@gbk-ingelheim.de

Supplier

Company name: B. Braun Melsungen AG
Street: Carl-Braun-Straße 1
Place: D-34212 Melsungen
Responsible Department: Zentrale Service-Bereiche / Logistik und Supply Chain
Telephone: +49 (0) 5661 / 71-4422
E-Mail: logistics.service@bbraun.com

1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

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 Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye damage.

May cause drowsiness or dizziness.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Propan-1-ol

Signal word: Danger

Pictograms:

**Hazard statements**

H226

Flammable liquid and vapour.

H318

Causes serious eye damage.

H336

May cause drowsiness or dizziness.

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Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapour.
- 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/doctor.
- P501 Dispose of contents/container to an approved waste disposal plant. .

2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT substance.

Vapours may form explosive mixture with air.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Tissues impregnated with n-propyl alcohol 50%

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
71-23-8	n-Propanol			50 %
	200-746-9	603-003-00-0	01-2119486761-29	
	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336			
7173-51-5	Didecyltrimethylammonium chloride			< 0,25 %
	230-525-2	612-131-00-6	01-2119945987-15	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 2; H302 H314 H400 H411			

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

Further Information

Informations concern to liquid phase.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Data of item 4 do partly not refer to the use and the regular employing of the product (in this sense consult package leaflet and expert information), but to liberation of major amounts in case of accidents and irregularities.

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

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

In the event of symptoms refer for medical treatment.

After contact with skin

Wash off with soap and plenty of water.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

After ingestion

Ingestion is not considered a potential route of exposure.

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Rinse out mouth and give plenty of water to drink.
Never give anything by mouth to an unconscious person.
Seek medical treatment immediately.
Induce vomiting only upon the advice of a physician.

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

Causes serious eye damage.
May cause drowsiness or dizziness.

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

Treat symptoms.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Fire may produce:
carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x)
Chlorine compounds

5.3. Advice for firefighters

Use breathing apparatus with independent air supply.
Protective suit.

Additional information

Cool containers at risk with water spray jet.
Keep away from sources of ignition - No smoking.
Vapours are heavier than air and spread along ground.
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

In case of vapour formation use respirator.
Ensure adequate ventilation.
Use personal protective clothing.
Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.

6.3. Methods and material for containment and cleaning up

Shovel into suitable container for disposal.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).
Information for disposal see section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Ensure adequate ventilation.
When using do not eat, drink or smoke.
Avoid contact with eyes, skin or mucous membrane.

Advice on protection against fire and explosion

Keep product and empty container away from heat and sources of ignition.
Do not smoke.

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7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.

Hints on joint storage

Incompatible with:

Oxidizing agents

Alkaline metals and earth alkaline metals.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Fast acting alcoholic disinfectant for small surfaces / for medical devices

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

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

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
71-23-8	n-Propanol			
Worker DNEL, long-term		dermal	systemic	136 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	268 mg/m³
Worker DNEL, acute		inhalation	systemic	1723 mg/m³
Consumer DNEL, long-term		dermal	systemic	81 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	80 mg/m³
Consumer DNEL, acute		inhalation	systemic	1036 mg/m³
Consumer DNEL, long-term		oral	systemic	61 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
71-23-8	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

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Data of item 8 do partly not refer to the use and the regular employing of the product (in this sense consult package leaflet and expert information), but to liberation of major amounts in case of accidents and irregularities.

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Wash hands before breaks and at the end of workday.
 When using do not eat, drink or smoke.
 Remove and wash contaminated clothes before re-use.
 Avoid contact with eyes.

Eye/face protection

Tightly fitting goggles (EN 166).
 Eye wash bottle with pure water (EN 15154).

Hand protection

Protective gloves resistant to chemicals made of nitrile, minimum coat thickness 0.4 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Camatril Velours 730> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

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

Physical state:	Liquid on inert carrier
Colour:	White
Odour:	Alcoholic

Test method

pH-Value:	n.d.
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Changes in the physical state

Melting point:	- 127 °C *)
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Boiling point or initial boiling point and boiling range:	97 °C *)
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Sublimation point:	n.a.
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Softening point:	n.d.
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Flash point:	31 °C DIN 51755
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Sustaining combustion:	Sustaining combustion
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Flammability

Solid:	n.a.
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Gas:	n.a.
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Explosive properties

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated

Lower explosion limits:	n.d.
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Upper explosion limits:	n.d.
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Auto-ignition temperature:	400 °C *)
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Self-ignition temperature

Solid:	n.a.
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Gas:	n.a.
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Decomposition temperature:	n.d.
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Oxidizing properties

Not oxidising.

Vapour pressure: (at 20 °C)	28,2 hPa *)
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Density (at 20 °C):	0,90 - 0,92 g/cm³
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Bulk density:	n.a.
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Water solubility: Miscible
(at 20 °C)

Solubility in other solvents

n.d.

Partition coefficient n-octanol/water: 0,2 *)

Viscosity / dynamic: n.d.

Viscosity / kinematic: n.d.

Flow time: n.d.

Relative vapour density: n.d.

Evaporation rate: n.d.

Solvent separation test: n.d.

Solvent content: 50 %

9.2. Other information

*) n-Propanol

Informations concern to liquid phase.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactions with oxidizing agents.

Reactions with alkali metals.

Reactions with earth alkali metals.

10.4. Conditions to avoid

Vapour/air mixtures are explosive at intensive warming.

Heating can release vapours which can be ignited.

10.5. Incompatible materials

Oxidizing agents

Alkaline metals and earth alkaline metals.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x)

chlorine compounds

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

Based on available data, the classification criteria are not met.

No toxicological data available.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
71-23-8	n-Propanol				
	oral	LD50 > 8000 mg/kg	Rat		
	dermal	LD50 4032 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 > 33,8 mg/l	Rat		OECD 403
7173-51-5	Didecyldimethylammonium chloride				
	oral	LD50 238 mg/kg	Rat		OECD 401
	dermal	LD50 3342 mg/kg	Rabbit		

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Skin irritation: Not classified.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (n-Propanol)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

Practical experience**Other observations**

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Inhalation of vapours in high concentration can cause narcotic effects.

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

Ecological data are not available.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
71-23-8	n-Propanol					
	Acute fish toxicity	LC50 4555 mg/l	96 h	Pimephales promelas		
	Acute crustacea toxicity	EC50 3644 mg/l	48 h	Daphnia magna		
	Algae toxicity	NOEC 1150 mg/l	2 d	Chlorella sp.		
	Crustacea toxicity	NOEC > 100 mg/l	21 d	Daphnia magna		
7173-51-5	Didecyltrimethylammonium chloride					
	Acute fish toxicity	LC50 0,19 mg/l	96 h	Pimephales promelas		US-EPA
	Acute algae toxicity	ErC50 0,026 mg/l		Pseudokirchneriella subcapitata		OECD 201
	Acute crustacea toxicity	EC50 0,062 mg/l	48 h	Daphnia magna		EPA-FIFRA
	Fish toxicity	NOEC 0,032 mg/l	34 d	Danio rerio		OECD 210
	Crustacea toxicity	NOEC 0,014 mg/l	21 d	Daphnia magna		
	Acute bacteria toxicity	(11 mg/l)	3 h	Activated sludge		OECD 209

12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
71-23-8	n-Propanol			
	BOD in % of theoretical OD	75 %	20	
	Readily biodegradable.			
7173-51-5	Didecyltrimethylammonium chloride			
	OECD 301B	72 %	28	
	Readily biodegradable.			

12.3. Bioaccumulative potential

Propan-1-ol

Product has a low bioaccumulating potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
71-23-8	n-Propanol	0,25

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT substance.

12.6. Other adverse effects

Low hazard to waters.

Further information

Ecological injuries are not known or expected under normal use.

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Product is not allowed to be discharged into aquatic environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

List of Wastes Code - residues/unused products

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors; hazardous waste

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

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. (Propan-1-ol)

14.3. Transport hazard class(es):

4.1

14.4. Packing group:

II

Hazard label:

4.1



Classification code:

F1

Limited quantity:

1 kg / 30 kg

Excepted quantity:

E2

Transport category:

2

Hazard No:

40

Tunnel restriction code:

E

Inland waterways transport (ADN)**14.1. UN number:**

UN 3175

14.2. UN proper shipping name:

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Propan-1-ol)

14.3. Transport hazard class(es):

4.1

14.4. Packing group:

II

Hazard label:

4.1



Classification code:

F1

Limited quantity:

1 kg / 30 kg

Excepted quantity:

E2

Marine transport (IMDG)**14.1. UN number:**

UN 3175

14.2. UN proper shipping name:

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Propan-1-ol)

14.3. Transport hazard class(es):

4.1

14.4. Packing group:

II

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Hazard label:

4.1



Marine pollutant:

No

Limited quantity:

1 kg / 30 kg

Excepted quantity:

E2

EmS:

F-A, S-I

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. (Propan-1-ol)

14.3. Transport hazard class(es):

4.1

14.4. Packing group:

II

Hazard label:

4.1



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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The transport takes place only in approved and appropriate packaging.

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

2004/42/EC (VOC):

50 % (Information concern to liquid phase.)

Information according to 2012/18/EU
(SEVESO III):

P5c FLAMMABLE LIQUIDS

Additional information

Regulation (EC) No 648/2004 (Regulation on detergents):

Non-ionic surfactants < 5 %, Perfume < 5%

Ingredients subject to the labelling obligation according to SCCP: -

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

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Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,5,8,9,10,11,12,14,15.

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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