

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

### 1.1. Product identifier

Meliseptol HBV Tissues

### 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

### 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 Service-Bereiche / Logistik und Supply Chain  
Telephone: +49 (0) 5661 / 71-4422  
E-Mail: logistics.service@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)  
England and Wales: NHS Direct - 0845 4647; Scotland: NHS 24 - 08454 24 24 24

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture according to 1272/2008/EC

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

#### 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.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapour.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER/doctor if you feel unwell.

**2.3. Other hazards**

Not known.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

Tissues impregnated with n-propyl alcohol 70%

**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			50 %
	200-746-9	603-003-00-0	01-21 19486761-29	
	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336			
7173-51-5	Didecyldimethylammonium chloride			< 0,25 %
	230-525-2	612-131-00-6	01-21 19945987-15	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10); H302 H314 H400			

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**

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**

No specific precautions required.

**After contact with eyes**

Rinse thoroughly with plenty of water, also under the eyelids.  
Seek medical treatment by eye specialist.

**After ingestion**

Ingestion is not considered a potential route of exposure.  
Immediately give plenty of water (if possible charcoal slurry).  
Seek medical treatment immediately.

**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 (CO<sub>2</sub>), water-spray.

**Unsuitable extinguishing media**

Full water jet.

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

Fire may produce:

Carbon monoxide and carbon dioxide

**5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.

Protective suit.

**Additional information**

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.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**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.

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**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.

**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.

**Advice on storage compatibility**

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

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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Meliseptol HBV Tissues**

**Exposure limits (EH40)**

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

**8.2. Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

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

**Changes in the physical state**

Initial boiling point and boiling range: 89 °C

Flash point: 31 °C DIN 51755

Lower explosion limits: 2,1 vol. %

Upper explosion limits:

Ignition temperature: 405 °C

Vapour pressure: 18,7 hPa  
(at 20 °C)

Density (at 20 °C): 0,91 g/cm<sup>3</sup>

Water solubility: Miscible  
(at 20 °C)

**9.2. Other information**

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**

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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**

Carbon monoxide and carbon dioxide.

**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.

**Irritation and corrosivity**

Causes serious eye damage.  
Skin irritation: Not classified.

**Sensitising effects**

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

**STOT-single exposure**

May cause drowsiness or dizziness. (Propan-1-ol)

**Severe effects after repeated or prolonged exposure**

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.

**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**

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecological data are not available.

**12.2. Persistence and degradability**

Propan-1-ol

Readily biodegradable (to OECD criteria).

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
7173-51-5	Didecyldimethylammonium chloride	modif. Sturm-test	72 %	28	
	Readily biodegradable.				

**12.3. Bioaccumulative potential**

Propan-1-ol

Product has a low bioaccumulating potential.

**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**

Product is not allowed to be discharged into aquatic environment.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

**Waste disposal number of waste from 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  
Classified as 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.

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**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

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**Meliseptol HBV Tissues**

Revision date: 01.06.2015

Revision No: 1,4

Product code: 00056-0024



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  
Hazard label: 4.1



Marine pollutant: No  
Limited quantity: 1 kg / 30 kg  
Excepted quantity: E2  
EmS: F-A, S-I

**Air transport (ICAO)**

**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 MARPOL73/78 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 % (Informations concern to liquid phase.)

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils 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.

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

### **15.2. Chemical safety assessment**

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

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## **SECTION 16: Other information**

### **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.

### **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)

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