

**Safety Data Sheet** according to Regulation (EC) No 1907/2006

B. Braun Melsungen AG

Revision date: 13.02.2014

Revision No: 1,22

**Meliseptol HBV Tissues**

00056-0024

---

## **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**

B. Braun Melsungen AG

Carl-Braun-Straße 1

D-34212 Melsungen

B. Braun Medical AG

Seesatz 17

CH-6204 Sempach

### **Responsible Department**

Zentrale Service-Bereiche/Logistik und Supply Chain

Telephone: +49 (0) 5661 / 71-4422

Emergency telephone :+49 (0) 6132 / 84463 (GBK GmbH, Ingelheim)

Responsible for the safety data sheet: sds@gbk-ingelheim.de

---

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

Indications of danger: Xi - Irritant

R phrases:

Flammable.

Risk of serious damage to eyes.

Vapours may cause drowsiness and dizziness.

#### **GHS classification**

Hazard categories:

Flammable solid: Flam. Sol. 1

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable solid.

Causes serious eye damage.

May cause drowsiness or dizziness.

### **2.2. Label elements**

Danger symbols:

Xi - Irritant



Xi - Irritant

#### **R phrases**

10 Flammable.

41 Risk of serious damage to eyes.

67 Vapours may cause drowsiness and dizziness.

### S phrases

- 16 Keep away from sources of ignition - No smoking.  
24 Avoid contact with skin.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
39 Wear eye/face protection.

## 2.2. Label elements (GHS classification)

Signal word:

Danger

Pictograms:

GHS02-GHS05-GHS07



### Hazardous components which must be listed on the label

Propan-1-ol

### Hazard statements

- H228 Flammable solid.  
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.  
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 solution

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
200-746-9	Propan-1-ol	50 %
71-23-8	F - Highly flammable, Xi - Irritant R11-41-67	
603-003-00-0	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336	
01-2119486761-29		

Full text of R and H phrases: see Section 16.

## 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.

##### **Extinguishing media which must not be used for safety reasons**

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.

---

### **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.

#### **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.

Storageclass (D): 4.1B

#### **7.3. Specific end use(s)**

Fast acting alcoholic disinfectant for small surfaces

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

#### **8.1. Control parameters**

##### **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**

##### **Occupational exposure 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.

##### **Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 141).

##### **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.

#### **Eye protection**

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

### **SECTION 9: Physical and chemical properties**

#### **9.1. Information on basic physical and chemical properties**

Physical state:	Solid
Colour:	White
Odour:	Alcoholic

#### **Test method**

#### **Changes in the physical state**

Initial boiling point and boiling range:	89 °C
--	-------

Flash point:	31 °C
--------------	-------

Lower explosion limits:	2,1 vol. %
-------------------------	------------

Upper explosion limits:	
-------------------------	--

Ignition temperature:	405 °C
-----------------------	--------

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

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

Water solubility: (at 20 °C)	Miscible
---------------------------------	----------

#### **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**

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**

No toxicological data available.

### **Irritation and corrosivity**

Skin irritation: Not classified.

Eye irritation: Causes serious eye damage.

### **Sensitising effects**

Not classified.

### **Severe effects after repeated or prolonged exposure**

STOT/Single exposure: Category 3 [May cause drowsiness or dizziness.]

STOT/Repeated exposure: Not classified.

Aspiration hazard Not classified.

### **Carcinogenic/mutagenic/toxic effects for reproduction**

Carcinogenicity: Not classified.

Mutagenicity: Not classified.

Teratogenicity: Not classified.

### **Additional information on tests**

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

### **Empirical data on effects on humans**

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)

### **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.

---

## **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.

## **SECTION 14: Transport information**

### **Land transport (ADR/RID)**

**14.1. UN number:** 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  
Transport category: 2  
Hazard No: 40  
Tunnel restriction code: E

### **Inland waterways transport (ADN)**

**14.1. UN number:** 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

### **Marine transport (IMDG)**

**14.1. UN number:** UN3175  
**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  
EmS: F-A, S-I

### **Air transport (ICAO)**

**UN/ID number:** 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:	Y441 / 5 kg
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**

1999/13/EC (VOC): 50 %

##### **National regulatory information**

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

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.

### **SECTION 16: Other information**

#### **Full text of R phrases referred to under Sections 2 and 3**

10 Flammable.  
11 Highly flammable.  
41 Risk of serious damage to eyes.  
67 Vapours may cause drowsiness and dizziness.

#### **Full text of H statements referred to under Sections 2 and 3**

H225 Highly flammable liquid and vapour.  
H228 Flammable solid.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.

#### **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.)*