

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

B. Braun Melsungen AG

Revision date: 08.08.2014

Revision No: 1,03

**Meliseptol Foam pure / fresh**

00056-0236A

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

### **1.1. Product identifier**

Meliseptol Foam pure / fresh

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

#### **Use of the substance/mixture**

Rapid 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

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

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## **SECTION 2: Hazards identification**

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

Indications of danger: Xi - Irritant

R phrases:

Risk of serious damage to eyes.

Vapours may cause drowsiness and dizziness.

#### **GHS classification**

Hazard categories:

Flammable liquid: Flam. Liq. 3

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye damage.

### **2.2. Label elements**

Danger symbols:

Xi - Irritant



Xi - Irritant

#### **R phrases**

41 Risk of serious damage to eyes.

67 Vapours may cause drowsiness and dizziness.

#### **S phrases**

24 Avoid contact with skin.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

35 This material and its container must be disposed of in a safe way.

39 Wear eye/face protection.

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## 2.2. Label elements (GHS classification)

Signal word:

Danger

Pictograms:

GHS02-GHS05



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

Propan-1-ol

### Hazard statements

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

### 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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

## 2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Alcoholic solution

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
200-746-9	Propan-1-ol	< 20 %
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		
230-525-2	Didecyldimethylammonium chloride	< 0,25 %
7173-51-5	C - Corrosive, Xn - Harmful R22-34	
612-131-00-6	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 1); H302 H314 H400	
01-2119945987-15		

Full text of R-, H- and EUH-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**

In case of contact with skin wash off immediately with 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**

Drink plenty of water.  
Summon a doctor 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.

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

Treat symptoms.

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### **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 (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).  
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.

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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.  
Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
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**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
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.

#### **Advice on protection against fire and explosion**

Keep product and empty container away from heat and sources of ignition.

Do not smoke - volatile.

Take precautionary measures against static discharges.

### **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.

Pay attention to anti-explosion rules.

#### **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.

Storage class (D): 3

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

Rapid 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**

Do not inhale vapours.

When using, do not eat, drink or smoke.

Avoid contact with the eyes.

Remove and wash contaminated clothing before re-use.

#### **Respiratory protection**

No personal respiratory protective equipment normally required.

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**

Safety goggles with side protection (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:	Liquid
Colour:	Colourless
Odour:	characteristic

		<b>Test method</b>
pH-Value (at 20 °C):	approx. 7	

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

Initial boiling point and boiling range:	approx. 89 °C	
Flash point:	31,5 °C	Closed cup *)
Lower explosion limits:	n.d.	
Ignition temperature:	n.d.	
Density (at 20 °C):	approx. 0,975 g/cm <sup>3</sup>	
Water solubility: (at 20 °C)	Miscible	
Solvent content:	< 20 %	

#### **9.2. Other information**

\*) Product is ignitable, but does not keep burning.

### **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 alkaline earth metals.

#### **10.6. Hazardous decomposition products**

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).

Chlorine compounds.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

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**Acute toxicity**

No toxicological data available.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	h
7173-51-5	Didecyldimethylammonium chloride				
	Acute oral toxicity	ATE	500 mg/kg		

**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: 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**

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. Swallowing renders reabsorption possible.

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.

Didecyldimethylammonium chloride [M = 10]

LC50/Pimephales promelas/96 h = 0,19 mg/l [US-EPA]

ErC50/Pseudokirchneriela subcapitata/96 h = 0,026 mg/l [OECD TG 201]

EC50/Daphnia magna/48 h = 0,062 mg/l [EPA-FIFRA]

**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.

**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**

Do not flush into surface water or sanitary sewer system.

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When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Advice on disposal**

Can be disposed of as a solid waste or burned in a suitable installation subject to 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:** 1274  
**14.2. UN proper shipping name:** n-PROPANOL, SOLUTION  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Classification code: F1  
Limited quantity: 5 L / 30 kg  
Transport category: 3  
Hazard No: 30  
Tunnel restriction code: D/E

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

**14.1. UN number:** 1274  
**14.2. UN proper shipping name:** n-PROPANOL, SOLUTION  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Classification code: F1  
Limited quantity: 5 L / 30 kg

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

**14.1. UN number:** 1274  
**14.2. UN proper shipping name:** n-PROPANOL, SOLUTION  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III

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Hazard label:

3



Marine pollutant:

No

Limited quantity:

5 L / 30 kg

EmS:

F-E; S-D

**Air transport (ICAO)**

**UN/ID number:**

1274

**14.2. UN proper shipping name:**

n-PROPANOL, SOLUTION

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

III

Hazard label:

3



Limited quantity Passenger:

Y344 / 10 L

IATA-packing instructions - Passenger:

355

IATA-max. quantity - Passenger:

60 L

IATA-packing instructions - Cargo:

366

IATA-max. quantity - Cargo:

220 L

**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): < 20 %

**Additional information**

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

Non-ionic surfactants < 5 %, Perfume < 5% (Meliseptol Foam fresh)

Ingredients subject to the labelling obligation according to SCCP: -

**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**

**Relevant R-phrases (Number and full text)**

- 11 Highly flammable.
- 22 Harmful if swallowed.
- 34 Causes burns.



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- 41 Risk of serious damage to eyes.  
67 Vapours may cause drowsiness and dizziness.

**Relevant H- and EUH-phrases (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.)*