

**Meliseptol Acute**

Revision date: 09.09.2020

Product code: 00056-0399

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

Meliseptol Acute

UFI: VENU-ED82-2T08-70W2

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

Disinfectant for 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  
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**

n-Propanol

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 protective gloves/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. .

**Labelling of packages where the contents do not exceed 125 ml****Signal word:** Danger**Pictograms:****Hazard statements**

H318

**Precautionary statements**

P280-P305+P351+P338

**2.3. Other hazards**

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

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

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

Alcoholic solution

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
71-23-8	n-Propanol			< 45 %
	200-746-9	603-003-00-0	01-2119486761-29	
	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336			

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

**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.

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**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**

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Never give anything by mouth to an unconscious person.  
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.  
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, carbon dioxide, sulphur oxides.

**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**

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.

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

Ensure adequate ventilation.

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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.

**Hints on joint storage**

Incompatible with:  
Oxidizing agents  
Bases  
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)**

Disinfectant for 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

**DNEL/DMEL values**

CAS No	Substance	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/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	1723 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	81 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	80 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	1036 mg/m <sup>3</sup>
	Consumer DNEL, long-term	oral	systemic	61 mg/kg bw/day

**PNEC values**

CAS No	Substance	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**

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**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.

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.

Do not breath vapours or spray mist.

Avoid contact with eyes, skin or mucous membrane.

**Eye/face protection**

Safety goggles with side protection (EN 166).

Eye wash bottle with pure water (EN 15154).

**Hand protection**

Also suitable are gloves made of:

Polychloropren - CR (0,5 mm): Breakthrough time: 4 h

Nitrile rubber/nitrile latex - NBR (0,35 mm): Breakthrough time: 8 h

Butyl rubber - Butyl (0,5 mm): Breakthrough time: 8 h

Fluoro-rubber - FKM (0.4 mm): Breakthrough time: 8 h

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.

**Skin protection**

Long sleeved clothing (DIN EN ISO 6530)

**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
Colour:	Colourless to slightly yellowish
Odour:	Alcoholic

	Test method
pH-Value (at 20 °C):	approx. 2,2

**Changes in the physical state**

Melting point:	- 127 °C *)
Initial boiling point and boiling range:	96,5 °C *)
Sublimation point:	n.a.
Softening point:	n.d.
Flash point:	23 - 60 °C
Sustaining combustion:	Sustaining combustion

**Flammability**

Solid:	n.a.
Gas:	n.a.

**Explosive properties**

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

Lower explosion limits:	2,1 vol. % *)
Upper explosion limits:	19,2 vol. % *)
Ignition temperature:	360 °C *)

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**Auto-ignition temperature**Solid: n.a.  
Gas: n.a.

Decomposition temperature: n.d.

**Oxidizing properties**

Not oxidising.

Vapour pressure: 19 hPa \*)  
(at 20 °C)Density (at 20 °C): 0,92 - 0,95 g/cm<sup>3</sup>

Bulk density: n.a.

Water solubility: Miscible  
(at 20 °C)**Solubility in other solvents**

n.d.

Partition coefficient: n.d.

Viscosity / dynamic: n.d.

Viscosity / kinematic: n.d.

Flow time: n.d.

Vapour density: 2,1 \*)

Evaporation rate: n.d.

Solvent separation test: 0 %

Solvent content: 40 %

**9.2. Other information**

\*) n-Propanol

**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**Exothermic reaction with:  
Oxidizing agents  
Bases.  
Alkaline metals and alkaline earth 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  
Bases.  
Alkaline metals and earth alkaline metals.**10.6. Hazardous decomposition products**No known hazardous decomposition products.  
Fire may produce:  
Carbon monoxide, carbon dioxide, sulphur oxides.**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

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**Acute toxicity**

Based on available data, the classification criteria are not met.  
No toxicological data available.

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

**Irritation and corrosivity**

Causes serious eye damage.

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

**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**

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.

May cause irritation of the mucous membranes.

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

Ecological data are not available.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
71-23-8	n-Propanol					
	Acute fish toxicity	LC50 mg/l 4555	96 h	Pimephales promelas		
	Acute crustacea toxicity	EC50 mg/l 3644	48 h	Daphnia magna		
	Algae toxicity	NOEC mg/l 1150	2 d	Chlorella sp.		
	Crustacea toxicity	NOEC mg/l > 100	21 d	Daphnia magna		

**12.2. Persistence and degradability**

Propan-1-ol

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Readily biodegradable.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
71-23-8	n-Propanol			
	BOD in % of theoretical OD	75 %	20	
	Readily biodegradable.			

**12.3. Bioaccumulative potential**

No data available

**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.

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 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



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Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 30  
 Tunnel restriction code: D/E

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 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  
 Excepted quantity: E1

**Marine transport (IMDG)**

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



Marine pollutant: No  
 Limited quantity: 5 L / 30 kg  
 Excepted quantity: E1  
 EmS: F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

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



Limited quantity Passenger: 10 L  
 Passenger LQ: Y344  
 Excepted quantity: E1  
 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.

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**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): 40 %  
 Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

**Additional information**

Regulation (EC) No 648/2004 (Regulation on detergents):  
 Anionic surfactants < 5%, Phosphonates < 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****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 intérieur  
 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

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Eye Dam. 1; H318	Calculation method
STOT SE 3; H336	Calculation method

**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.

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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)

For the identified uses, see also A.I.S.E. ([www.aise.eu](http://www.aise.eu)). There you will find further information under the keyword SUMI (safe use mixtures information).

**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Disinfectant for surfaces	-	-	-	8a, 8b, 9, 10, 19	-	-	-	SUMI-I

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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