

# MATERIAL SAFETY DATA SHEET

based on EU Safety Declaration

MediSeptic ANTINFECTION Sprays A50, B1

## 1. Product Name and Name of the Supplier

Trade name: MediSeptic ANTINFECTION Spray A50, B1

SAP-Code:

Utilization of the Product:

- medical and surgical Hand AntInfectant
- medical and industrial Surface AntInfectant

## ANTINFECTION = Protection before Infection

ANTINFECTION Sprays are composed from different, specific, biocide ingredients:

- **NON-toxic sprays**
- **NO alcohol**
- **contain 96 - 98% water**, plus:
- **Benzalkonium chloride**
- **+ Antiseptic Minerals** for sustainable ANTINFECTION  
= base for **extreme long-term effect**,  
stick to the skin in extreme long-lasting **log 3**
- **+ Herbal Acids**, as additives for **quick effect**  
> act with high performance **log 8-9**, for first  
usage or for "disinfection after emergency"
- **+ sustainable Fungicide-additive**
- **+ Matrix-building Polymers**  
= long-term effect **against abrasion** and wash-out,  
**reservoir**, inclusive **wideband** antiseptic

## Application

- **Clean hands**, if available washing + drying
- **Spray 3 - 5 mL** on the both hands,
- Spread evenly by **light hand-rubbing** for a few seconds
- **Let hands dry**, if available **under** hot-air hand-dryer

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## 2. Hazards Identification

### Special Hazards Indications for Humans and Environment:

**NOT** inflammable.

**NOT** irritating.

**Special risk references for humans and environment:** None

### Classification:

TBDL, according to actual EU regulations.

**Product is considered to be NOT hazardous in concentration sold and delivered to markets.**

## 3. Composition and Information on Ingredients

### Chemical Characteristics:

Mixture of the following ingredients, with sub-critical additives.

Ingredient	mass %	mg/l	CAS-Nr
Benzalkonium chloride	0.1	1'000	68424-85-1
H <sub>2</sub> O Water purified	98 - 96	980' - 960'000	
CaF <sub>2</sub> Calcium Fluoride	0.005 - 0.01	50 - 100	7789-75-5
Salts from plants C <sub>7</sub> H <sub>6</sub> O <sub>3</sub> Salicylic Acid	0.1 - 0.5	1'000 - 5'000	69-72-7
<b>Cationic polymers</b> (C <sub>7</sub> H <sub>16</sub> N <sub>3</sub> Cl)~ PHMG	<b>0.4 - 1.0</b> 0.4 - 0.8	<b>4'000 - 10'000</b> 4'000 - 8'000	<b>Matrix + Reservoir-</b> 57028-96-3
(C <sub>6</sub> H <sub>9</sub> NO)~ PVP-Iodine (in B50)	0.6 - 1.0	6'000 - 10'000	25655-41-8
Ethereal oils (for smell)	TBDL	TBDL	

## 4. First-Aid Measures

### after contact with the eyes:

Rinse eyes with open lid for a few minutes with flowing water; consult your doctor.

### after swallowing:

Rinse mouth and drink plenty of water; the product is "drinkable", **NOT toxic, but extremely bitter**. If problems arise, consult your doctor.

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## 5. Fire Hazard Prevention

NOT necessary, the **product is NOT inflammable**.

## 6. Preventive Measures when Spilled

**for humans:** not to apply

**for the environment:** not to apply

### **Procedure for cleaning and removal:**

Soak up with rag or sponge.

Wash-up dry rests with warm water and soap.

## 7. Handling and Storage

### **Handling:**

#### **Recommendations for safe handling:**

Do **ONLY** apply for intended use. Otherwise **NO** special protective measures required.

Protect from heat and direct sun light; keep in original container.

### **Storage:**

**Requirements for storage room and containers:** Store in original containers only.

**Special storage requirements with other agents:** **NOT** applicable.

**Special storage conditions:** Keep containers firm closed, do not expose to light, store at room temperature.

## 8. Limiting and Controlling Exposition/Personal Protection

### **Additional requirements for design of technical installations:**

None, see Pt 7.

## 9. Physical and Chemical Properties

### **General**

**Form:** liquid

**Color:** colorless

**Smell:** comfortable, slightly aromatic

**Taste:** bitter

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## Change of state

**Melting point/melting range:** not defined

**Boiling point/boiling range:** not defined

**Flashing point:** not applicable

**Ignition temperature:** not applicable

**Self ignition:** NOT self-igniting

**Explosion hazard:** NONE; the mixture of other explosive vapors with air is possible

**Vapor pressure at 50°C:** 123 kPa (analogue EN 12)

**Density at 20°C:** 1.03 g/cm<sup>3</sup>

**Solubility in / Miscibility with water:** completely miscible

**pH:** A50: 2.63, B1: TBDL

**LD50 (oral rat) :** >140'000 mg/kg bw (calculated)

(LD50 (oral rat) for PHMG 20%: >3'000 mg/kg bw)

## 10. Stability und Reactivity

**Thermal decay / conditions to be prevented:**

**NO decay** when in intended use.

**Dangerous reactions:** NO dangerous reactions known.

**Dangerous decomposition products:** NONE known and reported.

## 11. Toxicology Data

**Acute toxicology of active components:**

Ingredients	mg/l	per Application [mg/3ml]	LD 50 oral Rat [mg/kg bw]
CaF <sub>2</sub> Calcium Fluoride	50 - 100	0.15 - 0.30	4 500
C <sub>9</sub> H <sub>8</sub> O <sub>2</sub> Cinnamic Acid	500 - 1 500	1.5 - 4.5	2 500
C <sub>7</sub> H <sub>6</sub> O <sub>3</sub> Salicylic Acid	1 000 - 4 000	3.0 - 12.0	480
C <sub>7</sub> H <sub>12</sub> O <sub>6</sub> D-Quinic Acid	1 000 - 4 000	3.0 - 12.0	>8 000
C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> Citric Acid	2 000 - 6 000	6.0 - 18.0	3 000
(C <sub>7</sub> H <sub>16</sub> N <sub>3</sub> Cl)~ PHMG	2 000 - 10 000	6.0 - 30.0	3 000
(C <sub>6</sub> H <sub>9</sub> NO)~ PVP-Iodine	2 000 - 10 000	6.0 - 30.0	8 100

Permitted toxicity levels for all agents are far above actual application. This product will never have toxic effects in human, even not in repeated use.

**LD50 (oral rat):** calculated some 140'000 mg/kg bw

i.e. a child of 10 kg body weight may swallow 1.4 litres without serious health problems, an adult with 70 kg could drink some 10 litres. Because of the **extreme bitterness** both will stop immediately after the first few drops.

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## Irritations:

**on the Skin:** NO irritation

**Allergies:** NO allergies reported

## Additional toxicological references:

The product does **not show any dangers** according to the General Rating Principles of EU.

## 12. Environment specific Data

The product is easy degradable.

## 13. References for Disposal

**Product:** to be disposed of through sewage.

**Packaging:** according to local prescriptions for packaging disposal.

## 14. Transport

TBDL

## 15. Legal Provisions

### EU-Guidance for Labelling:

The product is rated and labeled according to EU Regulations.

As with all medical and cosmetics products "best practice" to be applied.

### Code letter and danger symbols on the product:

TBDL

**R-set:** TBDL

**S-set:** TBDL

**Water risk class:** TBDL

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