

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 ₂ O Water purified	98 - 96	980' - 960'000	
CaF ₂ Calcium Fluoride	0.005 – 0.01	50 - 100	7789-75-5
Salts from plants C ₇ H ₆ O ₃ Salicylic Acid	0.1 – 0.5	1'000 – 5'000	69-72-7
Cationic polymers (C ₇ H ₁₆ N ₃ Cl)~ PHMG	0.4 – 1.0 0.4 - 0.8	4'000 – 10'000 4'000 - 8'000	Matrix + Reservoir- 57028-96-3
(C ₆ H ₉ 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/cm³

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 ₂ Calcium Fluoride	50 - 100	0.15 - 0.30	4 500
C ₉ H ₈ O ₂ Cinnamic Acid	500 - 1 500	1.5 - 4.5	2 500
C ₇ H ₆ O ₃ Salicylic Acid	1 000 - 4 000	3.0 - 12.0	480
C ₇ H ₁₂ O ₆ D-Quinic Acid	1 000 - 4 000	3.0 - 12.0	>8 000
C ₆ H ₈ O ₇ Citric Acid	2 000 - 6 000	6.0 - 18.0	3 000
(C ₇ H ₁₆ N ₃ Cl)~ PHMG	2 000 - 10 000	6.0 - 30.0	3 000
(C ₆ H ₉ 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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