



Septasol

Hand Disinfectant



Alcoholic hand and skin disinfectant

- Dermatologically recommended for allergic persons and persons with sensitive skin
- Free from potentially allergenic ingredients

Product description

Alcoholic, perfume-free disinfectant to be rubbed into the skin and hands. Septasol contains no preservatives or other additives which might have an irritating or sensitising effect on the skin. Dermatologically recommended for the disinfection of hands and skin for allergic prone and sensitive skin.

Range of application

Hygienic and surgical disinfection of hands, skin disinfection prior to simple injections and peripheral vascular punctures, skin disinfection prior to surgery, punctures of joints, disinfection of skin with high concentration of sebaceous glands; for cooling compresses.

Dosing instructions and type of applications

Hygienic hand disinfection:

- Use on clean, dry hands.
- Apply Septasol hand disinfectant to the hands.
- Carefully rub hands together for 30 seconds. Ensure, the fingertips, thumbs, the areas between the fingers and wrists are also thoroughly covered with Septasol Hand Disinfectant solution.
- Make sure your hands stay wet during the entire exposure time of 30 seconds.
- Let hands dry well.

Surgical hand disinfection:

- Use on clean, dry hands.
- Apply Septasol hand disinfectant to the hands.
- Carefully rub hands together for 1.5 minutes. Ensure, the fingertips, thumbs, the areas between the fingers and wrists are also thoroughly covered with Septasol Hand Disinfectant solution.
- Make sure your hands stay wet during the entire exposure time of 1.5 minutes.
- Let hands dry well.

Cooling compress:

- Dilute the solution with equal parts water.

Antimicrobial Properties

Septasol is bactericidal (incl. MRSA), tuberculocidal, yeasticidal, virus inactivating incl. HBV/HIV/BVDV/HCV/Vaccinia/Rota/Influenza/Noro viruses.



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Active substance composition

100 g ready-for-use solution contain as active ingredients
2-propanol 63.1 g

other ingredients:
purified water

Recommendation of supporting products

- miscea Eco Soap Hand Wash

Packaging sizes

- 1000 ml vacuum sealed pouch
- 1000 ml bottle

Physical and chemical properties

Appearance: Colourless
Scent: Alcoholic
pH value: 7 - 8,6

Safety instructions



Danger

R 10 Flammable. R 36 Irritating to eyes. R 67 Vapours may cause drowsiness and dizziness. S 7 Keep container tightly closed. S 16 Keep away from sources of ignition - No smoking. S 25 Avoid contact with eyes. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 60 This material and its container must be disposed of as hazardous waste.

Safety and storage

For more information about storage, transportation and safety we would like to refer to the safety data sheet. Use the disinfectant safely. Always read the product information and label before use.



Using Antibacterial Skin Cleansers

Standard hand-rub method in accordance with EN 1500



1 rub palm on palm



2 rub left palm over back of right hand and vice versa



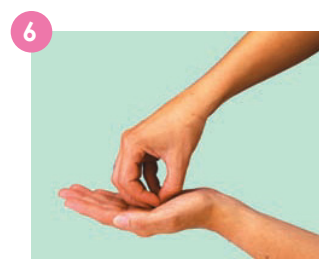
3 rub palm on palm with fingers interlaced



4 rub back of fingers on opposing palms with hands interlaced



5 rub thumbs rotationally



6 rub palm rotationally with clasped fingers

Put antibacterial cleanser onto dry hands. The product must be allowed to act for a total of 30 seconds. Rub in the product following each of the steps illustrated above and repeating each action five times up to the wrists. Begin at step 1 again if the 30 seconds has not yet elapsed after step 6 and continue until the cleanser has been on the skin for the allotted time. Apply more of the product while cleaning the skin, as and when required. The skin must remain moist for the full contact time.

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present and easy to do. Continue rinsing.

P501

Dispose of contents/container to in accordance with local and national regulations.

2.3. Other hazards

Vapours may form explosive mixture with air.

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		
200-661-7	Propan-2-ol	60 - 65 %
67-63-0	F - Highly flammable, Xi - Irritant R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
01-2119455582-50		

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 special measure necessary.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists, consult a specialist.

After ingestion

Immediately give plenty of water (if possible charcoal slurry).

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 irritation.

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 (CO₂), water-spray.**Unsuitable extinguishing media**

Full water jet.

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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

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

Keep tightly closed.

Use only in thoroughly ventilated areas.

Advice on protection against fire and explosion

Do not smoke - volatile.

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

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.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Skin and Hand disinfectant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

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.

Eye/face protection

Safety goggles with side protection (EN 166).

Skin protection

Long sleeved clothing (EN 368).

Respiratory protection

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

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: Liquid
Colour: Colourless
Odour: Alcoholic

pH-Value (at 20 °C): 7 - 8,6

Changes in the physical state

Melting point: < - 20 °C

Initial boiling point and boiling range: > 85 °C

Flash point: 24 °C

Lower explosion limits: 2 vol. %

Upper explosion limits:

Ignition temperature: > 485 °C

Density (at 20 °C): approx. 0,876 g/cm³

Water solubility: Miscible
(at 20 °C)

Viscosity / dynamic: approx. 9 mPa·s
(at 20 °C)

Test method**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.

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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

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

No toxicological data available.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
67-63-0	Propan-2-ol				
	oral	LD50	5050 mg/kg	Rat	
	dermal	LD50 mg/kg	12800	Rabbit	

Irritation and corrosivity

Causes serious eye irritation.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (Propan-2-ol)

Severe effects after repeated or prolonged exposure

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.

Carcinogenicity: Not classified.

Mutagenicity: Not classified.

Teratogenicity: Not classified.

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

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

SECTION 12: Ecological information

12.1. Toxicity

Ecological data are not available.

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CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
67-63-0	Propan-2-ol					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h		
	Acute crustacea toxicity	EC50	> 1000 mg/l	48 h		

12.2. Persistence and degradability

Propan-2-ol

Readily biodegradable (to OECD criteria)

12.3. Bioaccumulative potential

No data available.

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 / vPvB substance.

12.6. Other adverse effects

Low hazard to waters.

Further information

Do not discharge into surface waters/groundwater.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

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:**

UN 1987

14.2. UN proper shipping name:

ALCOHOLS, N.O.S. (Propan-2-ol)

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

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Tunnel restriction code:

D/E

Inland waterways transport (ADN)

14.1. UN number:

UN 1987

14.2. UN proper shipping name:

ALCOHOLS, N.O.S. (Propan-2-ol)

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:

UN 1987

14.2. UN proper shipping name:

ALCOHOLS, N.O.S. (propan-2-ol)

14.3. Transport hazard class(es):

3

14.4. Packing group:

III

Hazard label:

3



Marine pollutant:

No

Limited quantity:

5 L / 30 kg

EmS:

F-E; S-D

Air transport (ICAO)

14.1. UN number:

UN 1987

14.2. UN proper shipping name:

ALCOHOLS, N.O.S. (propan-2-ol)

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

Take the usual precautions when handling with chemicals.

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

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EU regulatory information

1999/13/EC (VOC): 63 %

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

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 intérieure

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

VOC = Volatile organic compound

STOT SE = Specific target organ toxicity single exposure

STOT RE = Specific target organ toxicity repeated exposure

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

bw = body weight

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

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

10 Flammable.

11 Highly flammable.

36 Irritating 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.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

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)

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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.)