

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

00320-0002

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1. Identification of the substance/preparation

Name of product Aseptoman

Use of the preparation hand disinfectant

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2. Hazards identification

Classification

Hazards statements

Xi irritant

Hazard characteristics

R-Phrases

10 Flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

3. Composition / information on ingredients

Chemical characterization

aqueous alcoholic solution

Hazardous ingredients

EC-No.	CAS-No.	Name	weight-%	Classification
200-661-7	67-63-0	propan-2-ol	< 65 %	F, Xi R11-36-67

Full text of R-phrases: see section 16.

4. First Aid Measures

(for additional information see chapter 16: Other information)

General Advice

Remove contaminated, saturated clothing immediately.
If you feel unwell, seek medical advice.

In case of inhalation

Move affected person into fresh air in case of accidental inhalation of vapour.
If symptoms persist, call a physician.

In case of skin contact

No special measures required.

In case of eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 15 minutes holding eyelids apart. Consult an ophthalmologist if symptoms persist.

In case of ingestion

Do not induce vomiting.
Drink plenty of water.
Seek medical advice immediately.

5. Fire-fighting measures

(for additional information see chapter 16: Other information)

Suitable extinguishing media

Alcohol resistant foam, carbon dioxide (CO₂), dry extinguishing media, water jet

Extinguishing media which must not be used for safety reasons

High volume water jet

Special exposure hazards arising from the substance or preparation itself, combustion products or resulting gases

In case of fire may be liberated:
Carbon monoxide and dioxide.

Special protective equipment for fire-fighters

In case of fire, wear a self contained breathing apparatus and protective clothing.

Further information

Keep away from sources of ignition – no smoking.
Vapours are heavier than air and can form explosive mixtures with air, also in empty containers, that have not been cleaned.
Cool containers at risk with water spray jet.
Combustion residues and contaminated fire water have to be disposed of according to local official regulations.

6. Accidental release measures

(for additional information see chapter 16: Other information)

Personal precautions

In case of vapour formation (high concentration) use a respirator.
Ensure adequate ventilation.
Wear personal protective clothing.
Keep away from sources of ignition.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Take up mechanically, placing in appropriate containers for disposal.

7. Handling and storage

(for additional information see chapter 16: Other information)

Handling

Advice on safe handling

Keep container tightly closed.
Use only in well-ventilated areas.

Precautions against fire and explosion:

No smoking (volatile).
Keep product and empty containers away from heat and sources of ignition.

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry and well-ventilated place.

Hints on storage assembly

Incompatible with oxidising agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storage class acc. to VCI 3 A

8. Exposure controls / personal protection
(for additional information see chapter 16: Other information)

Exposure limits

Occupational exposure limits (TRGS 900)

SUBSTANCE IDENTITY			OCCUPATIONAL EXPOSURE LIMIT VALUE (AGW)		
Name	EC-No.	CAS-No.	ml / m ³ (ppm)	mg / m ³	Category
Propan-2-ol	200-661-7	67-63-0	200	500	2 (II)

Exposure controls

Engineering measures to reduce exposure

Ensure adequate ventilation, especially in confined areas.

Personal protection equipment

General protection measures

When using do not eat, drink or smoke.
Separate off contaminated clothing and wash it before reuse.
Do not breathe vapour/aerosols.
Avoid contact with eyes.

Respiratory protection

In case of inadequate ventilation and high concentrations, wear suitable respiratory equipment (gas filter type A).

Eye protection

Protective goggles.

Skin and body protection

Long sleeved clothing.

9. Physical and chemical properties

General information

Physical state	liquid
Colour	colourless
Odour	alcoholic, perfumed

Important health, safety and environmental information

pH-value (20 °C)	6 – 7.5
Specific gravity (20 °C)	0.876 g/cm ³
Change in physical state	
Melting point	< - 20 °C
Boiling point	> 85 °C
Flash point	23 °C
Flammability	
Explosion limit lower	2 Vol.-%
Ignition temperature	> 485 °C
Solubility in water	miscible
Viscosity	ca. 9 mPa*s

10. Stability and reactivity

(for additional information see chapter 16: Other information)

Conditions to avoid

Vapour-air-mixture is explosive when strongly heated.
When heated inflammable vapour may be released.

Materials to avoid

Oxidizing agents.

Hazardous decomposition products:

Carbon monoxide (CO), carbon dioxide (CO₂).

Further information

No decomposition if stored and applied as directed.

11. Toxicological Information

(for additional information see chapter 16: Other information)

Human practical experience

Irritating to eyes.
Vapours may cause drowsiness and dizziness.

12. Ecological information

(for additional information see chapter 16: Other information)

General information

Do not flush into surface water or ground water systems.
Weakly water-endangering.
If used as directed not harmful to environment.

13. Disposal information

Product

Recommendation

Recycling is preferred to disposal if possible.

Incineration is possible according to the local official regulations after physical-chemical pre-treatment.

Waste code No.

07 06 04

Wastes from organical-chemical processes; wastes from fats, lubricants, soaps, disinfectants, detergents and hygiene products; wastes not otherwise specified

Appropriate disposal / packaging

Empty containers should be taken to a registered recycling company.

Contaminated packaging is to be emptied optimally, after adequate cleaning it can be disposed to recycling.

Packaging which is impossible to clean is to be disposed like the product.

14. Transport information

Land transport (ADR/RID)

ADR/RID class	3
Classification code	F1
Hazard No.	30
UN-No.	1987
Hazard label	3
ADR/RID packing group	III
Limited quantity (LQ)	LQ 7

Official transport designation

ALCOHOLS, N.O.S. (2-propanol)

Remark

LQ 7: combination packaging: 5 l / 30 kg; trays: 5 l / 20 kg (total gross weight). 10 l: water containing homogenous mixtures are categorized as LQ 7 (absolute quantity of alcohol < 5 l)

Inland waterway craft (ADN/ADNR)

Marine transport (IMDG)

IMDG class	3
UN-No.	1987
Marine pollutant	No
EMS-No.	F-E, S-D
Limited quantity (LQ)	5 l / 30 kg
IMDG packing group	III
Hazard label	3

Proper shipping name

ALCOHOLS, N.O.S. (2-propanol)

Remark

Limited quantity (chapter 3.4): combined packaging: 5 l / 30 kg (gross weight); trays: 5 l / 20 kg (total gross weight).

Air transport (ICAO-TI / IATA-DGR)

ICAO/IATA class	3
UN/ID-No.	1987
Hazard label	3
IATA packing instructions – passenger	309

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IATA maximum quantity – passenger 60 l
IATA packing instructions – cargo 310
IATA maximum quantity – cargo 220 l
ICAO packing group III
Limited quantity (LQ) passenger Y309 / 10 l

Proper shipping name
ALCOHOLS, N.O.S. (2-propanol)

Special provisions

Germany / postage: national: max. 3000 ml per item; max. 6000 ml per package; international: not allowed

15. Regulatory information

Labelling

Hazards statement

Xi irritant

Classification

This product is a pharmaceutical product and according to EC-regulations and the corresponding German national regulations does not have to be labelled acc. to Hazardous Substances Ordinance. According to Hazardous Substances Ordinance the product is to be labelled as:

R-Phrases

10 Flammable.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness

S-Phrases

16 Keep away from sources of ignition - No smoking.
25 Avoid contact with eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
35 This product and its container must be disposed of in a safe way.

National regulations

Restrictions of occupation

Observe restrictions of occupation for juveniles (§§ 22 JArbSchG);
Observe employment restrictions for pregnant and nursing mothers according to the 'mother protection guideline' (92/85/EEC) and §§ 4 and 5 MuSchRiV

Störfallverordnung

Not subject to StörfallVO.

Technische Anleitung Luft III

Weight fraction

5.2.5: Organic compounds, m \geq 0.50 kg/h: Conc.. 50 mg/m³
< 65 %

Water hazard class (WGK)

Classification

I - weakly water-endangering (WGK I)
Classification according VwVwS, Annex 4

Informations according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

VOC-content 63 %

16. Other information

Full wording of the R-phrases specified in chapter 2 and 3

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10	Flammable.
11	Highly flammable.
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.

Additional 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 knowledge. It does not constitute a guarantee for the characteristics of the described product(s) as defined by the legal warranty regulations. The delivery specifications are contained in the corresponding product sheet.

(n. a. - not applicable, n. d. - not determined)

(The data of the hazardous substances are based on the current material data safety sheets of the supplier.)