



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 25.10.2023  
Date of entry into force: 25.10.2023

Version: 3  
Replaces version: 2

**Manorapid® r.f.u.**

This is the English translation of the German SDS (for Germany).

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: Manorapid® r.f.u.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the mixture:  
Disinfectant for the skin  
For professional use

### 1.3 Details of the supplier of the safety data sheet

Department providing information: Department of Science and Technology Berlin

Supplier (distributor):  
Germany

Lysoform Dr. Hans Rosemann GmbH  
Kaiser-Wilhelm-Straße 133  
D-12247 Berlin  
Telefon: 030 / 77992-0  
Telefax: 030 / 77992-219  
[www.lysoform.de](http://www.lysoform.de)

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Distributed in Germany by:

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Kaiser-Wilhelm-Straße 133  
D-12247 Berlin  
Telefon: 030 / 77992-200  
[www.antiseptica.com](http://www.antiseptica.com)

### 1.4 Emergency telephone number

Germany

Giftinformationszentrum Nord  
(GIZ-NORD), Universitaet Goettingen  
Tel.: +49 551 - 19240  
Fax: +49 551 - 38318 - 81

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

CLP classification (EG) Nr. 1272/2008:

Flam. Liq.: Kat.2 H225  
Eye Irrit.: Kat.2 H319  
STOT SE: Kat.3 H336



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## 2.2 Label elements

**Symbols und signal word:**



**Danger**

### **Hazard statements:**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### **Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P305 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if P351 + present and easy to do. Continue rinsing.

P338

P337 + If eye irritation persists: Get medical advice.

P313

### **Hazardous ingredient for labelling:**

Propan-2-ol

## 2.3 Other hazards

The ingredients (from 0.1%) do not meet the criteria for classification as PBT or vPvB and no endocrine disrupting properties are known. In exceptional situations (for example: fumigation, effect of heat or leakage of large amounts in unventilated spaces) it may form explosive air mixtures.

## Section 3: Composition/information on ingredients

### 3.1 Substances

This product is a mixture.

### 3.2 Mixtures

#### **Chemical characterization:**

##### **Propan-2-ol**

EG-No: 200-661-7 CAS-No: 67-63-0 REACH-Reg. no: 01-2119457558-25

Quantity : 60 - 65 %

Flam. Liq.: Kat.2 H225 Highly flammable liquid and vapour.

Eye Irrit.: Kat.2 H319 Causes serious eye irritation.

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## Section 4: First aid measures

### 4.1 Description of first aid measures

**General information:**

Immediately seek medical advice. Show the Safety Data Sheet, container or label.

**Inhalation:**

Supply fresh air.

**Skin contact:**

Not applicable

**Eye contact:**

Rinse opened eye for several minutes with plenty of drinking water. If eye irritation persists seek medical advice.

**Ingestion:**

Do not induce vomiting. Rinse mouth with drinking water and give plenty of water to drink.

### 4.2 Most important symptoms and effects, both acute and delayed

Acute: mucous membrane irritation

Delayed: May cause drowsiness and dizziness.

### 4.3 Indication of any immediate medical attention and special treatment needed

No information

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Water spray, carbon dioxide, dry powder, alcohol-resistant foam

### 5.2 Special hazards arising from the substance or mixture

Alcoholic vapours are heavier than air and may spread along floors.

During heating or in case of fire poisonous gas may develop:

For example: carbon monoxide, carbon dioxide and explosive vapour / air mixtures

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus. Cool endangered containers or persons with water spray.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep ignition sources away - do not smoke.

Ensure adequate ventilation or wear respiratory protection (Filter A - EN 14387).

### 6.2 Environmental precautions

Do not allow to reach sewage system / surface or ground water.



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### 6.3 Methods and material for containment and cleaning up

Wipe up with absorbent material (cloth, fleece, sand, universal binders).

Larger quantities: Apply suction cleaning.

### 6.4 Reference to other sections

Safe handling (section 7), personal protective equipment (section 8) and disposal considerations (section 13)

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

#### Notes for safe handling:

Keep container tightly closed. Ensure good ventilation / exhaust at the workplace. Caution near alcohol-sensitive materials (for example: lacquered jewellery or watches of certain plastic).

#### Notes on general hygiene measures at the workplace:

Keep away from food. Take off all contaminated clothing immediately. Avoid contact with eyes.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and containers

Store cool but frost-free, well ventilated, dry and out of reach of children.

Store in the original container.

#### Further information about storage conditions

Keep away from heat and direct sunlight.

Keep separate from food.

#### Information about fire and explosion protection

Can form explosive gas-air mixtures. Good ventilation, especially at floor level. Vapours are heavier than air. Keep ignition sources away - do not smoke. Take measures to prevent electrostatic charging.

**Storage class:** 3 (TRGS 510)

### 7.3 Specific end use(s)

No specific end use known.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

Ingredient	CAS-No	Value	Base
Propan-2-ol	67-63-0	AGW: 500 mg/m <sup>3</sup> , 200 ml/m <sup>3</sup> 2(II); DFG, Y	TRGS 900
		Biological value: 25 mg/l parameter acetone, material B und U, Sample timing b	TRGS 903



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### Relevant DNEL (Derived No Effect Level) - values:

#### Propan-2-ol

Workers:

Long-term exposure - systemic effects, dermal: 888 mg/kgBW/d

Long-term exposure - systemic effects, Inhalation: 500 mg/m<sup>3</sup>

### Relevant PNEC (Predicted No Effect Concentration) - values:

#### Propan-2-ol

Fresh water: 140,9 mg/l

Sewage plant: 140,9 mg/l

Soil: 28 mg/kg

Secondary poisoning related to food: 160 mg/kg

Sediment (based on dry weight): 552 mg/kg

Periodic release: 140,9 mg/l

Seawater: 140,9 mg/l

## 8.2 Exposure controls

### Individual protection measures - Personal protective equipment:

#### General health and safety measures

Keep away from foodstuff, beverages and feed. Avoid contact with eyes.

#### Respiratory protection

Normally not required.

The inhalation exposure is harmless when in unventilated areas no more than 1.0 ml / m<sup>3</sup> are used.

With appropriate ventilation or when people stay briefly in the premises, significantly more preparation may be used.

#### Skin protection

In order to prevent skin irritations in the professional field, the following is - regardless of the actual contact with disinfectants - recommended:

- Fast skin penetrating care cream in between if needed.
- A greasy cream after washing at the end of work or before work breaks.

#### Eye / face protection

Normally not required.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state:	Liquid
- Colour:	Clear
Odour:	Characteristic
Odor threshold:	Not determined
pH at 20 °C:	neutral
Melting point:	Not determined
Initial boiling point / boiling range:	Propan-2-ol: 82°C
Flash point:	21 °C (DIN 51755)
Evaporation rate:	Not determined
Flammability:	Not determined
Explosion limits in air:	Propan-2-ol: 2 – 12 % (Vol.%)
Vapour pressure:	Propan-2-ol: 43hPa at 20°C (Gestis)
Vapour density, relative (air = 1):	Not determined



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Density at 20 °C:	Ca. 0,88 g/cm <sup>3</sup>
Solubility in water:	Any
Partition coefficient n-octanol / water:	For a mixture not applicable.
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not applicable, no known decomposition
Viscosity:	Not determined
Explosive properties:	The product is not explosive.
Oxidising properties:	Not determined

### 9.2 Other information

Further physical and chemical data have not been determined.

## Section 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions if stored and used as described.

### 10.2 Chemical stability

No decomposition if stored and used as described.

### 10.3 Possibility of hazardous reactions

No hazardous reactions if stored and used as described.

### 10.4 Conditions to avoid

See section 7

### 10.5 Incompatible materials

No incompatible materials known.

### 10.6 Hazardous decomposition products

No decomposition if stored and used as described.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

The active compound has been extensively studied with regard to the toxic profile. The exposure is safe if handled as prescribed. In consideration of the mixture no deviant results are expected. The mixture was therefore not examined in all categories. For toxicological effects use the information on hazardous substance.



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### 11.1.1 For the mixture:

**Acute toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration hazard**

No data available

**Symptoms and effects (delayed and chronic) with details of the routes of exposure**

**Also: information on toxicokinetics, metabolism and distribution**

No data available

### 11.1.2 For the substance:

**Propan-2-ol**

Acute toxicity:

LD<sub>50</sub> rat (oral): 5840 mg/kg (OECD-guideline 401)

LC<sub>50</sub> rat (inhalativ): > 25 mg/l; 6h; vapor (OECD-guideline 403)

LD<sub>50</sub> rabbit (dermal): 13900 mg/kg (OECD-guideline 402)

Primary irritant effect:

Skin: No effects

Eyes: irritant (OECD- guideline 405)

Splashes in the eyes can cause severe pain. Vapour is irritating.

Sensitization:

No sensitization (OECD- guideline 406)

CMR-effects:

Carcinogenicity	:	It is not considered a carcinogen.
Germ cell mutagenicity	:	It is not considered to be mutagenic.
Teratogenicity	:	No effects on or through the lactation
Reproductive toxicity	:	It is considered non-toxic for reproduction.

STOT SE:

Inhalation	:	May cause drowsiness or dizziness.
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Other toxicological effects:

Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration may cause pulmonary edema and pneumonia.



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## Section 12: Ecological information

The mixture was not tested for certain effects. Information on the hazardous substance should be used.

### 12.1 Toxicity

#### Propan-2-ol

##### Acute toxicity:

EC<sub>50</sub> / 24 h: 9714 mg/l (Daphnie)

EC<sub>50</sub> / 72 h: >100 mg/l (Selenastrum capricornutum)

LC<sub>50</sub> / 96 h: 9640 mg/l (Pimephales promelas)

EC<sub>50</sub>: >100 mg/l (bacteria) no harmful effect

### 12.2 Persistence and degradability

#### Propan-2-ol

Easily biodegradable / Elimination: 53 % in 5 days

### 12.3 Bioaccumulative potential

#### Propan-2-ol

No bioaccumulation is to be expected.

### 12.4 Mobility in soil

#### Propan-2-ol

The product is mobile in an aqueous environment.

### 12.5 Results of PBT and vPvB assessment

The mixture does not contain any substances that are assessed as PBT or vPvB.

### 12.6 Endocrine disrupting properties

Endocrine disrupting properties for the environment are not known.

### 12.7 Other adverse effects

The mixture is classified as water hazard class 1 (by German AwSV).

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

#### Treatment of the mixture

Disposal in compliance with local regulations. Waste should not be disposed of via wastewater.

#### Treatment of contaminated packaging

Completely emptied containers can be recycled.

#### Waste code according to AVV

07 06 04 for the product

15 01 02 for the primary packaging

#### Relevant EU or other regulations

German law: KrW-/AbfG (Kreislaufwirtschafts- und Abfallgesetz)





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## Section 14: Transport information

### 14.1 UN-number

1219

### 14.2 Proper shipping name

All modes of transport:  
1219 – Isopropanol

### 14.3 Transport hazard class(es)

Land: ADR/RID and GGVS/GGVE class: 3  
Tunnel restriction code: D/E

Sea: IMDG/GGV Sea-class: 3  
EMS-number: F-E, S-D

Air: ICAO-TI / IATA-DGR-class: 3

### 14.4 Packing group

II

### 14.5 Environmental hazards

#### Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: No  
IMDG-Code: Marine Pollutant: No

### 14.6 Special precautions for user (transport company)

No

### 14.7 Maritime transport in bulk according to IMO instruments

No transport in bulk

## Section 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU-regulations:

1907/2006 REACH / 1272/2008 CLP GHS / 528/2012 Biocidal products / 98/24/EG Risks related to chemical substances / 648/2004 Detergents

#### German regulations:

Chemikaliengesetz ChemG / Gefahrstoffverordnung GefStoffV / TRGS und Bekanntmachungen / Betriebssicherheitsverordnung BetrSichV / Jugendarbeitsschutzgesetz / Mutterschutzgesetz / guidelines Berufsgenossenschaften

#### Other information:

Biocide: baua reg.-no. N-43809

### 15.2 Chemical safety assessment

For this mixture no chemical safety assessment has been carried out.



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## Section 16: Other information

### Changes since the publication of the previous version

Version 2: 1.3 Supplier Germany: address, telephone; 2.3; 12.6/7; 14.7  
9.1 Flashpoint/Density  
Version 3: 1.3 additional data

### Literature and data sources

TRGS / Gestis / professional associations / MSDS of ingredients

### Methods in accordance with Article 9 of Regulation (EC) no. 1272/2008 used to evaluate the information for the purpose of classification.

Classification was based on the components and the physical and chemical properties.

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product with regard to the safety requirements. The information should not be regarded in any way as a description of the nature of the goods (product specification). Any agreed property or the suitability of the product for a specific purpose can not be derived from our information in the Safety Data Sheet. We will advise you whether, the preparation is suitable for a defined purpose. Any proprietary rights and existing laws and regulations must be observed by the recipient of our product (responsibility of the recipient).