

SAFETY DATA SHEET
Hand gel with antibacterial properties

SECTION 3: Composition/ information about components
3.1. Substance

N/A

3.2. Mixtures

Hazardous components:

| Product identifier | Contents % | CLP classification | |
|---|------------|--|--|
| | | Hazard class and category codes | Codes of phrases indicating the type of threat |
| Isopropyl alcohol CAS no.: 67-63-0 EC no.: 200-661-7 Index no.: 603-117-00-0 REACH no.: 01-2119457558-25-XXXX | <10 | Flam. Liq. 2 Eye Irrit. 2 STOT SE 3 | H225 H319 H336 |
| p-Mentha-1,3-diene CAS no.: 99-86-5 EC no.: 202-795-1 Index no.: - REACH no.: the substances are subject to the transitional period regulations | <0.2 | Flam. Liq. 3 Asp. Tox. 1 Acute Tox. 4 Aquatic Chronic 2 | H226 H304 H302 H411 |

Full text of H-phrases is in section 16.

SECTION 4: First Aid Measures
4.1. Description of the first aid measures
In the case of skin contact:

N/A

In the case of eyes contact:

Rinse eyes with plenty of water for approx. 15 min., consult the doctor. Avoid strong stream of water due to the risk of mechanical damage to cornea.

Inhalation exposure:

Move the affected person to fresh air.

If swallowed:

Drink plenty of water, do not induce vomiting, consult the doctor.

4.2. The most important symptoms and effects, both acute and delayed:

Eyes contact: lachrymation, irritation.

4.3. Indication of any immediate medical attention and special treatment needed:

The decision on how to proceed is taken by the doctor after examination of the injured.

SECTION 5: Actions to be taken in the event of fire

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5.1. Fire-fighting measures

Proper fire-fighting measures: Water - dispersed water currents, alcohol-resistant foam, extinguishing powder, carbon dioxide.

Improper fire-fighting measures Do not use concentrated streams of water.

5.2. Special hazards arising from the substance or mixture:

Cool the packaging exposed to fire or high temperatures with water, from a safe distance and if possible, remove them from the hazardous area. As a result of combustion carbon oxides (CO, CO₂) can occur.

5.3. Information for fire-fighters

Do not allow the fire-fighting measures to enter into sewerage systems and waterways. Notify the environment about the fire. Remove all persons not involved in the fire from the hazardous area. Inform the State Fire Brigade, and where necessary, the State Police, the local authorities and the nearest Chemical Rescue Unit.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures:**

For non-rescue personnel: No special requirements.

For the rescue teams: No special requirements.

6.2. Environmental precautions

If possible, try to collect to the appropriate containers for further disposal.

6.3. Methods and materials preventing from containment and applied to clean up

Collect leakage with inert absorbents, e.g. sand. Place it in a suitable container and provide for disposal.

6.4. Reference to other sections:

Product waste treatment - see section 13 hereof.

Personal protective equipment - see section 8 hereof.

SECTION 7: Handling and storage of the substances and mixtures**7.1. Precautions for safe handling:**

Avoid contact with eyes. Keep away from heat and fire sources. Work in accordance with HS rules.

7.2. Conditions for safe storage, including any information about mutual incompatibility:

Store in a well ventilated area corresponding to the rules in force in the field of safety and fire protection. Keep away from children.

7.3. Specific end use(s):

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SECTION 8: Exposure control/ personal protective equipment

8.1. Parameters for control:

The Regulation of the Minister of Labour and Social Policy of 29 November 2002 on maximum acceptable concentrations and intensities of factors harmful to health in the working environment. (the Journal of Laws, item 817);

Ingredients for which the exposure standards are applied:

| | Substance name | CAS no.: | TLV | TLV-STEL | NDSP |
|----|----------------|----------|-----------------------|------------------------|-------------|
| 1. | 2-propanol | 67-63-0 | 900 mg/m ³ | 1200 mg/m ³ | unspecified |

2-propanol

DNEL levels for the employees

DN(M)EL - long-term exposure - through skin: 888mg/kg/day

DN(M)EL - long-term exposure - when inhaled: 500mg/m³

DNEL levels for the consumers

DN(M)EL - long-term exposure - through skin: 319 mg/kg/day

DN(M)EL - long-term exposure - when inhaled: 89mg/m³

DN(M)EL - long-term exposure - when swallowed: 26 mg/kg/day

PNEC levels

PNEC - fresh water 140.9 mg/l

PNEC - sea water 140.9 mg/l

PNEC - sediment - fresh water 552 mg/kg

PNEC - sediment - sea water 552 mg/l

PNEC - soil 28 mg/kg

Indications in the air in the workplaces.

The Regulation of the Minister of Health of 2 February 2011 r on tests and measurements of factors harmful to health in the working environment (the Journal of Laws 2011, no. 33, item 166).

PN-EN 1540:2004 Air at the workplaces - Terminology;

PN-Z-04008-7:2002 Protection of air purity. Measurements of concentrations of chemicals and industrial dust in the air of the working environment. The rules of air sampling in the working environment and interpretation of the results.; PN-Z-04008-7:2002/Az1:2004 Amendment to Air purity protection standard. Measurements of concentrations of chemicals and industrial dust in the air of the working environment.

The rules of air sampling in the working environment and interpretation of the results.

Propan-2-ol: PN-92/Z-04224/02;

8.2. Exposure control

Applied technical controls measures:

Not required.

Individual protection measures, such as personal protective equipment

Eyes or face protection:

Avoid contact with eyes.

Skin protection

Hands protection:

Not required.

Other:

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Not required.

Respiratory tract protection

Not required.

Thermal hazards:

N/A

Biomonitoring

unspecified

Environmental exposure control

Maximum level of substances in the air - Regulation of the Minister of the Environment of 24 August 2012 on the levels of certain substances in the air (the Journal of Laws 2012, no. 0, item 1031): unspecified.

The limit values for the indicators of pollution in industrial sewage entering the sewerage system - the Regulation of the Minister of Construction of 14 July 2006 *on the way of performance of the obligations of providers of industrial waste water and the conditions of forwarding waste water to the sewerage systems* (the Journal of Laws of 2006, no. 136, item 964): unspecified.

SECTION 9: Physical and chemical properties

9.1. Information about the basic physical and chemical properties.

| | |
|---|----------------|
| Appearance: | gel |
| Odour: | characteristic |
| Odour threshold: | unspecified |
| pH: | unspecified |
| Melting point: | unspecified |
| Boiling point: | unspecified |
| Flash point: | >60°C |
| Evaporation rate: | unspecified |
| Flammability (solid, gas): | n/a |
| Lower explosion limit: | n/a |
| Upper explosion limit: | n/a |
| Vapour tension: | unspecified |
| Relative vapour density: | unspecified |
| Density: | unspecified |
| Solubility: | unspecified |
| Coefficient of division: n-octanol/water: | unspecified |
| Autoignition point: | unspecified |
| Decomposition temperature: | unspecified |
| Dynamic viscosity in 20°C: | unspecified |
| Kinematic viscosity: | unspecified |
| Explosive properties: | not shown |
| Oxidising properties: | not shown |

9.2. Other information

No additional test results.

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SECTION 10: Stability and reactivity**10.1. Reactivity**

Not known.

10.2. Chemical stability

Stable while maintaining appropriate conditions of storage and use.

10.3. Possibility of hazardous reactions

There are no instances of hazardous polymerization.

10.4. Conditions to be avoided

Avoid high temperature, direct sunlight, hot surfaces and open flames.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides

SECTION 11: Toxicological information**11.1. Information about toxicological effects**

a) acute toxicity: no

2-propanol

LD50 (orally): >2000 mg/kg,

LD50 (skin): >2000 mg/kg,

LC50 (inhalation, probably) above 5 mg/l

b) skin corrosion/irritation: no

c) serious eye damage/irritation: no

d) respiratory tract or skin sensitisation: no

e) germ cells mutagenicity: no

f) carcinogenicity: no

g) harmful for reproduction: no

h) toxic effects on target organs - single exposure: no

i) toxic effects on target organs - repeated exposure: no

j) aspiration hazard: no

Information about likely routes of exposure:**Eyes contact**

Lacrimation, irritation can occur.

Delayed, direct and as well as chronic effects from short and long-term exposure:

No available data.

Interactive effects:

No available data.

SECTION 12: Ecological information

Detailed tests were not executed, in view of the above, there is no more data. The mixture has not been classified as dangerous for the environment. Do not allow to enter and spread in soil, sewerage systems, groundwater and waterways.

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12.1. Toxicity**Propan-2-ol**

Fish toxicity *Leucidus idus melanotus* (LC₅₀/48 h) - >100 mg/l

Crustaceans toxicity *Daphnia magna* (EC₅₀/48h), - >100mg/l

Algae toxicity *Scenedesmus subspicatus* (EC₅₀/72h) >100mg/l

12.2. Durability and degradability**Propan-2-ol**

70% after 10 days.

12.3. Bioaccumulative potential

Propan-2-ol: Log Po/w: 0.05

12.4. Mobility in soil

No available data.

12.5. Results of PBT and vPvB assessment:

No available data.

12.6. Other adverse effects:

No available data.

SECTION 13: Waste treatment**13.1 Waste treatment methods****Worn product**

The residue to be stored in the original containers. Disposal in compliance with the official regulations.

Contaminated packaging

Empty, disposable packaging to be provided to be disposed or recycled in accordance with the provisions in force.

The codes in compliance with the Regulation of the Minister of Environment of 9 September 2014 on the waste catalogue (the Journal of Laws, item 1923).

The community legislation on waste:

The Directive of the Council, no. 75/442/EEC on waste, the Directive of the Council no. 91/689/EEC on hazardous waste, the Decision of the Commission no. 2000/532/EC of 3 May 2000 stating the list of waste, the Official Journal no. L 226/3 of 6 September 2000, with the amending decisions.

SECTION 14: Transport information**14.1. UN number:**

ADR/RID/IMDG/IATA: Not applicable

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14.2. UN proper transport name

ADR/RID/IMDG/IATA: Not applicable

14.3. Class(es) of hazards in transport

ADR/RID/IMDG/IATA: Not applicable

14.4. Packing group

ADR/RID/IMDG/IATA: Not applicable

14.5. Environmental hazards

ADR/RID/IMDG/IATA: Not applicable

14.6. Specific precautions for users

N/A

14.7. Transport in bulk in accordance with annex II to the MARPOL Convention and the IBC Code:

N/A

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations specific for the substance or mixture**

The Regulation (EC) no. 1907/2006 of the European Parliament and the Council of 18 December 2005 on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as amended.

The Regulation of the Commission (EU) 2015/830 of 28 May 2015 amending the Regulation (EC) 1907/2006 of the European Parliament and the Council on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

The Regulation of the European Parliament and the Council of 16 December 2008 no. 1272/2008 (CLP), as amended.

The Act of 25 February 2011 on chemicals and their mixtures (the Journal of Laws no. 63, item 322, as amended).

The Regulation of the Minister of Health on 10 October 2013 amending the Regulation on the categories of hazardous substances and mixtures, the packagings of which are equipped with closures preventing from opening by children and tactile warning of hazard (the Journal of Laws of 2013, no. 0, item 1225).

The Act of 14 December 2012 on waste (the Journal of Laws of 2013, no. 0, item 21).

The Act of 13 June 2013 on management of packagings and packagings waste (the Journal of Laws of 2013, item 888).

The Regulation of the Minister of Environment of 9 September 2014 on the waste catalogue (the Journal of Laws item 1923).

The Directive of the Council, no. 75/442/EEC on waste, the Directive of the Council no. 91/689/EEC on hazardous waste, the Decision of the Commission no. 2000/532/EC of 3 May 2000 stating the list of waste, the Official Journal no. L 226/3 of 6 September 2000, with the amending decisions.

The Act of 19 August 2011 on transport of hazardous goods (the Journal of Laws, no. 227, item 1367).

The Government Statement of 23 March 2011 on the entry into force of the amendments to annexes A and B of the European Agreement concerning the international transport of hazardous goods by road (ADR), drawn up in Geneva on 30 September 1957 (the Journal of Laws no. 110, item 641).

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The Regulation of the Minister of Labour and Social Policy of 6 July 2014 on the maximum acceptable concentrations and intensities of factors harmful to health in the working environment (the Journal of Laws item 817).

The Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to existence of chemical agents in the work place (the Journal of Laws 2005, no. 11, item. 86, as amended).

The Regulation of the Minister of Environment of 9 December 2003 on substances posing particular threat to the environment (the Journal of Laws no. 217, item 2141).

15.2. Chemical safety assessment

No chemical safety assessment for the mixture.

SECTION 16: Other information

All data are based on our present knowledge. The safety data sheet was developed based on the SDS and the data obtained from the manufacturer. Recipients of our product must take into account the existing laws and other regulations.

Other sources of key data used to update hereof:

- The legislation referred to in section 15 hereof.
- The annex to the Regulation of the Commission (EU) 2015/830 of 28 May 2015.
- Information of the Office for Chemicals, the Main Sanitary Inspector, the Institute of Occupational Medicine named after prof. J. Nofer, the Institute of Occupational Medicine and Environmental Health.

H-Phrases:

H225 – Highly flammable liquid and vapour.

H226 – Flammable liquid and vapour.

H302 – Harmful if swallowed.

H304 – Can be fatal if enters through the respiratory tract.

H319 – Causes eye irritation.

H336 – Can cause drowsiness or dizziness.

H411 – Toxic to aquatic life with long lasting effects.

Description of used abbreviations, acronyms and symbols:

Flam. Liq. 2 – Flammable liquid substance, cat. 2

Flam. Liq. 3 – Flammable liquid substance, cat. 3

Asp. Tox. 1 – Aspiration hazard, cat. 1

Acute Tox. 4 – Acute toxicity, cat. 4

Eye Irrit. 2 – Irritant to eyes, cat. 2

STOT SE 3 - Toxic effects on target organs - single exposure STOT cat. 3

Aquatic Chronic 2 - Hazardous to the aquatic environment, cat. 2

MEL – Maximum exposure limit.

NDSch – Maximum short-term exposure limit.

NDSP – Maximum threshold exposure limit

DNEL – Derived No Effect Level

PNEC – Predicted concentration with no effect to the environment

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LC50 - Lethal concentration for 50% of the tested population

LD50 - Lethal dose for 50% of the tested population

The EC50 - Media effective concentration, statistically calculated concentration that induces in the environmental medium the specified effect in 50 % of the organisms of the experimental conditions

PBT – Durable, showing bioaccumulative and toxic properties

vPvB – Very durable and very bioaccumulation properties

ADR - European agreement on transport of dangerous goods by road

RID - Regulation on transport of dangerous goods by international railway lines

IMDG – International maritime dangerous goods code

IATA - Regulation on transport of dangerous goods issued by the International Air Transport Association

Classification basis (calculation method): product not classified as hazardous

Trainings:

Not required.