

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Medasept gel hand sanitizer

Version: 9.7 Previous Issue / Date of last revision Date of issue: 10. 10. 2015 Oldal: 1/(12)
(manufacturers): - / - Latest revision: 27. 09. 2019

SECTION 1 Identification of the mixture/substance and of the company/undertaking

1.1 Product identifier:

Medasept gel hand sanitizer

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

Relevant identified uses: hand sanitizer

Uses advised against: not suitable for surface disinfection.

1.3 Details of the supplier of the safety data sheet:

Supplier details:

MOLAR CHEMICALS KFT.
2314 Halásztelek, Ár pád utca 1.
Tel.: +36-24 527-100
Fax: +36-24 527-127
E-mail: molar@molar.hu
web: www.molar.hu

Distributor details:

Plum Magyarország Kft
8200 Veszprém, Erdész u. 4.
Tel.: + 36 88 326006
Fax: + 36 88 326006
E-mail: info@plum.hu
http://plum.hu

1.4 Emergency telephone number

Health Toxicological Information Service (ETTSZ 1096 Budapest, Nagyvárad tér 2.)

Tel.: +36 80 201 199 (0-24 h, free number).

SECTION 2 Hazards identification

2.1 Classification of the mixture or substance

| Hazard Class and Category: | Hazard statement: |
|----------------------------|--|
| Flam. Liq. 2 | H225 Highly flammable liquid and vapour. |
| STOT SE 3 | H335 May cause respiratory irritation. |

2.2 Label elements

Product identification: Trade name: **Medasept gel hand sanitizer**

Hazardous components: 2-hydroxybiphenyl

GHS Pictogram:



Signal word:

Danger

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Hazard statement:

H225 Highly flammable liquid and vapour.

H335 May cause respiratory irritation.

Supplemental hazard information: -

Precautionary statements – General: -

Precautionary statements – Prevention:

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

Precautionary statements – Response:

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor/... if you feel unwell.

Precautionary statements – Storage: -

Precautionary statements – Disposal: -

Other liabilities for labelling:

Tactile warning of danger: required for distribution population.

Transport classification: see section 14.

2.3 Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006.

SECTION 3 Composition/information on ingredients

3.2 Mixtures

Chemical description: A mixture of the following substances.

Component(s) / Hazardous component(s):

| Name | EC number | CAS number | Hazard classes and cat. | Hazard statements | Conc. % (m/m) |
|---|-----------|------------|---|------------------------------------|---------------|
| Ethanol REACH Registr. Nr.: no data | 200-578-6 | 64-17-5 | Flam. Liq. 2 | H225 | 60-90 |
| 2-hydroxybiphenyl REACH Registr. Nr.: no data | 201-993-5 | 90-43-7 | Skin Irrit. 2 Eye Irrit. 2 STOT SE 3 Aquatic Acute 1 | H315 H319 H335 H400 (M=1) | 0,1-0,20 |

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

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SECTION 4 First aid measures

4.1 Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Remove exposed person to fresh air and keep warm.

Skin contact: In case of accidental skin contact: wash with water. If irritation persists, obtain medical attention.

Eye contact: Flush immediately with plenty of running water for at least 10 minutes, holding the eyelids open. Remove contact lenses, if present and easy to do. Get medical attention.

Ingestion: Induce vomiting. Rinse mouth thoroughly. Drink a lot of water. Get medical attention.

Protection of first-aid person: Direct contact with the substance, inhalation of vapors should be avoided.

4.2 Most important symptoms and effects, both acute and delayed

In high concentration and prolonged exposure the vapours are narcotic if inhaled.

Inhalation of vapours may cause respiratory irritation, drowsiness, indisposition, stomachache, headache, depression, and unconsciousness.

May be irritating to eyes.

4.3 Indication of any immediate medical attention and special treatment need

Treat symptomatically.

SECTION 5 Fire-fighting measures

Fire hazards:

Flammable.

5.1 Extinguishing media

Suitable extinguishing media:

Foam, dry chemical, water spray, CO₂.

Unsuitable extinguishing media:

Water jet.

5.2 Special hazards arising from the mixture or substance

Hazardous combustion products:

On burning carbon-monoxide, carbon dioxide can be formed.

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5.3 Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Vapors are heavier than air and may spread along floors, may ignite under the influence of an ignition source.

If possible, remove the product from fire.

Cool containers exposed to fire with water spray from safe distance.

Vapours may form explosive mixture with air.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Sufficient ventilation should be provided

Keep away from sources of ignition. –No smoking.

Avoid contact with eyes, inhalation of vapours.

6.2 Environmental precautions:

Prevent spills from entering into natural water, soil and drains by containing the liquid.

Notify relevant authority.

6.3 Methods and material for containment and cleaning up

On soil: Keep away from all sources of ignition - No smoking. Stop leak if you can do so without risk. Sufficient ventilation should be provided. Use non-sparking, explosion-proof devices. Collect spillage with non-combustible liquid-absorbent material (sand, diatomaceous earth, vermiculite, universal liquid binder) and place in an appropriate storage container. Dispose of as hazardous waste.

Dispose of according to local regulations. Clean up with large amount of water the contaminated area.

On water: Notify local authorities according to regulations.

6.4 Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

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SECTION 7 Handling and storage

7.1 Precautions for safe handling

Keep general measures applied for normal operations with chemicals and flammable liquids.
Take precautionary measures against static discharges.
Keep material away from and open flame. No smoking.
Adequate ventilation required.
Vapors may form explosive mixture with air.
Avoid contact with eyes, inhalation of vapours.
Ensure washing facilities after working hours and before breaks.
When using do not eat or drink and do not smoke.
Handling temperature: no data.

7.2 Conditions for safe storage, including any incompatibilities

Keep general measures applied for safe storage for flammable liquids.
Store in cool, well-ventilated area, in original, radiant heat, open flame and strong oxidizing agents.
Storage temperature: 0-30°C.

7.3 Specific end use(s)

Hand sanitizer.

SECTION 8 Exposure controls / personal protection

Engineering control measures:

Adequate ventilation.

8.1 Control parameters:

Ethanol: TLV (TWA) 1920 mg/m³ (1000 ppm)

8.2 Exposure controls

Personal protection:

Respiratory protection: Under normal conditions not required. In case of exceeded exposure-limits (respiratory protection with particle-filter (typ. A) is recommended (EN 14387).

Hand protection: Protective gloves if there is a risk of prolonged skin contact (EN 374).

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Eye protection: Where splashing is possible, wear protective goggles (EN 166).
Skin protection: Protective clothing.
Other special: Personal protective equipment is primarily for working with large quantities, or required in the event of an accident.
An emergency eye wash station shall be available at the workplace.

Environmental exposure controls:
Do not discharge into drains/surface waters/groundwater.

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Physical state: liquid (gel)
Colour: colorless or slightly red
Odour: alcohol

Change in physical state:

Pour point: no data
Boiling point: no data

Others:

Flash point: 21°C
Ignition point: no data
Autoignition temperature: no data
Vapor density (air = 1): no data
Explosive properties: not explosive
Explosion limits: lower/upper: no data
Decomposition temperature: no data
Oxidizing properties: no
Vapour pressure at 20°C: no data
Density at 20°C: 0.85 – 0.90 g/cm³
Solubility in water: soluble
Thermal decomposition: no data
n-Octanol/water partition coefficient: no data
pH: 7.5-8.0
Viscosity at 20 °C: no data

9.2 Other information

No data.

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SECTION 10 Stability and reactivity

- 10.1 Reactivity: Not known.
- 10.2 Chemical stability: No decomposition if stored and handled properly.
- 10.3 Possibility of hazardous reactions: Not known.
- 10.4 Conditions to avoid: Keep away from sources of ignition - Avoid overheating.
- 10.5 Incompatible materials: Strong oxidizing agents.
- 10.6 Hazardous decomposition products: No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

| | | |
|-------------|------------------------|------------|
| Oral: | LD ₅₀ (rat) | 7728 mg/kg |
| Inhalation: | LD50 (rat) | 114 mg/l |

Acute toxicity: irritation

Skin contact: not irritant (based on components)
Eye contact: not irritant (based on components)

Respiratory or skin sensitisation: not sensitising (based on components)

Other information, specific effects:

| | |
|-------------------------|---|
| Germ cell mutagenicity: | not known, resp. not mutagen (based on components) |
| Carcinogenicity: | not known, resp. not carcinogen (based on components) |
| Reproductive toxicity: | not known, resp. no reproduction-damaging effect (based on components) |
| STOT-single exposure: | May cause respiratory irritation. |
| STOT-repeated exposure: | not classified |
| Aspiration hazard: | not classified |

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SECTION 12 Ecological information

12.1 Toxicity

| | | |
|------------|------------------|------------|
| Fish: | 8140 | 1293 mg/l |
| Daphnia: | EC ₅₀ | 72.6 mg/l |
| Algae | IC ₅ | 512.7 mg/l |
| Bacterium: | EC ₅ | 5854 mg/l |

Ethanol

Chemical oxygen demand 1,99-2,11 g/g

12.2 Persistence and degradability

Biodegradability: No data.

12.3 Bioaccumulative potential

Bioaccumulation is not expected. Log Pow: <1

12.4 Mobility

Mobility in soil: No data.
Mobility in water: Soluble in water.

12.5 Results of PBT and vPvB assessment

Does not contain any PBT and vPvB substances.

12.6 Other adverse effects

Environmental effects: Large spills may be hazardous to the environment.
Water hazard class (German): -

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 07 06 04*

Other organic solvents, washing liquids and mother liquors.

Waste Identification Code: 16 03 05*

Organic wastes containing dangerous substances. (manufacturer's recommendation)

Disposal must be in compliance with national and local regulations.

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Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances.

Recommended waste treatment method: incineration.

Contaminated packaging can be recycled after cleaning.

Disposal must be in compliance with national and local regulations.

Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.

SECTION 14 Transport information

Land transport:

Road/ Railway

ADR/RID:

- | | |
|------------------------------------|--|
| 14.1 UN number: | 1993 |
| 14.2 UN proper shipping name: | FLAMMABLE LIQUID, N.O.S. (Ethanol solution) |
| 14.3 Transport hazard class(es): | 3 |
| 14.4 Packing group: | II |
| 14.5 Environmental hazards: | - |
| 14.6 Special precautions for user: | - |

Waterways:

- | | |
|------------------------------------|--|
| 14.1 UN number: | 1993 |
| 14.2 UN proper shipping name: | FLAMMABLE LIQUID, N.O.S. (Ethanol solution) |
| 14.3 Transport hazard class(es): | 3 |
| 14.4 Packing group: | II |
| 14.5 Environmental hazards: | - |
| 14.6 Special precautions for user: | - |

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Air transport: ICAO / IATA:
14.1 UN number: 1993
14.2 UN proper shipping name: FLAMMABLE LIQUID, N.O.S.
(Ethanol solution)
14.3 Transport hazard class(es): 3
14.4 Packing group: II
14.5 Environmental hazards: -
14.6 Special precautions for user: -

SECTION 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the mixture or substance.
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2015/830/EU) and to Regulation (EC) 1272/2008.
Seveso category: P5.c
- 15.2 Chemical safety assessment.
not available

SECTION 16 Other information

Source of data presented in this material safety data sheet:

Test results of this product
Material safety data sheets of product's components
1272/2008/EC regulation, Annex XVII. of REACH
Relevant Hungarian and EU regulations

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC

| | | |
|--------------|------|----------------------|
| Flam. Liq. 2 | H225 | based on flash point |
| STOT SE 3 | H335 | calculation method |

The full text of each relevant Hazard classes and cat. and H- phrase in Section 3.:

| | |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |

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| | |
|-----------------|---|
| Flam. Liq. 2 | Flammable liquid Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation Category 2. |
| STOT SE 3 | Specific target organ toxicity — single exposure Category 3 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, Acute Category 1 |

Legend:

| | |
|-------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration Factor |
| BOD | Biological Oxygen Demand |
| Bw | Body Weight |
| C&L | Classification and Labelling |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| CMR | Carcinogenic, Mutagenic or toxic to Reproduction |
| COD | Chemical Oxygen Demand |
| CSA | Chemical Safety Assessment |
| CSR | Chemical Safety Report |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No Effect Level |
| ECHA | European Chemicals Agency |
| Ec _x | Effective Concentration x% |
| ErC ₅₀ | EC ₅₀ in terms of reduction of growth rate |
| Ed _x | Effective Dose x% |
| EC | European Community |
| EC number | European Community number |
| ELINCS | European List of Notified Chemical Substances |
| ES | Exposure Scenario |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC _x | Lethal Concentration x% |
| LD _x | Lethal Dose x% |
| LOAEC | Lowest Observed Adverse Effect Concentration |
| LOAEL | Lowest Observed Adverse Effect Level |
| LOEC | Lowest Observed Effect Concentration |
| LOEL | Lowest Observed Effect Level |
| NOEC | No observed effect concentration |
| NOEL | No observed effect level |

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| | |
|-------|---|
| NLP | No-Longer Polymer |
| NOAEL | No Observed Adverse Effect Level |
| OECD | Organisation for Economic Cooperation and Development |
| PBT | Persistent Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | parts/million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Regulations concerning the International carriage of Dangerous Goods by Rail |
| SVHC | Substance of Very High Concern |
| UVCB | substance of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and very Bio-accumulative |

Revision Indicators:

| Section | Subject of change | Date | Version |
|---------|-------------------|------|---------|
| | | | |