

Safety data sheet

according to 1907/2006/EC, Article 31



Date of issue: 15.09.2011

Revision: 15.09.2011

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

- **Product identifier**
- **Trade name:** Manusept® basic
- **SAP-Code:** EN R10504
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Hand disinfectant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
BODE Chemie GmbH
Melanchthonstraße 27
D-22525 Hamburg (Germany)
Tel.: +49 (0)40 / 54 00 60
- **Informing department:**
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KundenService-SiDa@bode-chemie.de
- **Emergency telephone number:**
Giftnotruf Göttingen (Germany)
24h-Tel.: +49 (0)551 / 1 92 40

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 F; Highly flammable
R11: Highly flammable.
- **Classification system:**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- **Label elements**
- **Labelling according to EU guidelines:**
The product has been labelled in accordance with EC Directives / relevant national laws.
- **Code letter and hazard designation of product:**
 F Highly flammable
- **Risk phrases:**
11 Highly flammable.
- **Safety phrases:**
16 Keep away from sources of ignition - No smoking.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with harmless additions.

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· Dangerous components:

CAS: 64-17-5	ethanol	 F R11	50-100%
EINECS: 200-578-6		 Flam. Liq. 2, H225	

· **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information** Get medical advice/attention if you feel unwell.
- **After inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse cautiously with water for several minutes.
- **After swallowing**
Rinse mouth.
Do NOT induce vomiting.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources
- **Environmental precautions:** Dilute with much water.
- **Methods and material for containment and cleaning up:**
Dilute with much water.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Reference to other sections**
See Section 8 for information on personal protection equipment.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Keep away from heat and direct sunlight.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

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8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:** Not required.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	fluid
Colour:	colourless
Smell:	Alcohol-like
- **Change in condition**

Melting point/Melting range:	not determined
Boiling point/Boiling range:	78°C
- **Flash point:** 19,5°C (DIN 51755)
- **Ignition temperature:** 430°C
- **Self-inflammability:** product is not selfigniting
- **Danger of explosion:** product is not explosive. However, formation of explosive air/steam mixtures is possible
- **Critical values for explosion:**

Lower:	76 g/m ³ (DIN 51 649)
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- **Steam pressure at 50°C:** 12 kPa (analog EN 12)
- **Density at 20°C** 0,85 g/cm³
- **Solubility in / Miscibility with Water:** fully miscible

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability**
- **Other information:** The product is easily biodegradable.
- **Additional ecological information:** -
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Must be specially treated under adherence to official regulations.

- **European waste catalogue**

07 06 01*	aqueous washing liquids and mother liquors
16 03 05*	organic wastes containing dangerous substances
18 01 06*	chemicals consisting of or containing dangerous substances

- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**



- **ADR/RID-GGVS/E Class:** 3 (F1) Flammable liquids.
- **Kemler Number:** 33
- **UN-Number:** 1170
- **Packaging group:** II
- **Label:** 3

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· **UN proper shipping name:** 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

· **Maritime transport IMDG/GGVSea:**



· **IMDG/GGVSea Class:** 3
 · **UN Number:** 1170
 · **Label** 3
 · **Packaging group:** II
 · **EMS Number:** F-E,S-D
 · **Marine pollutant:** No
 · **Correct technical name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1170
 · **Label** 3
 · **Packaging group:** II
 · **Correct technical name:** ETHANOL SOLUTION
 · **Remarks:** passanger: no single packing permits.

· **Special precautions for user** Warning: Flammable liquids.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Decree to be applied in case of technical fault:**
Critical quantity values according to the regulations on accidents should be adhered to.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.
R11 Highly flammable.
- *** Data compared to the previous version altered.**