

## Safety data sheet

according to 1907/2006/EC, Article 31



Date of issue: 24.10.2011

Revision: 24.10.2011

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

- **Product identifier**
- **Trade name:** Bacillol® plus
- **SAP-Code:** EN R10048
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Surface 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:**  
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**  
 Xi; Irritant  
R41: Risk of serious damage to eyes.  
R10-67: Flammable. Vapours may cause drowsiness and dizziness.
- **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 classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV).
- **Code letter and hazard designation of product:**  
 Xi Irritant
- **Risk phrases:**  
10 Flammable.  
41 Risk of serious damage to eyes.  
67 Vapours may cause drowsiness and dizziness.
- **Safety phrases:**  
23 Do not breathe fumes/aerosol.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
51 Use only in well-ventilated areas.
- **Special labelling of certain preparations:**  
Contains glutaral. May produce an allergic reaction.

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- **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.

#### · Dangerous components:

CAS: 71-23-8 EINECS: 200-746-9	propan-1-ol Xi R41; F R11 R67 Flam. Liq. 2, H225; Eye Dam. 1, H318; STOT SE 3, H336	25-50%
CAS: 67-63-0 EINECS: 200-661-7	isopropanol Xi R36; F R11 R67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-25%
CAS: 111-30-8 EINECS: 203-856-5	glutaral T R23/25; C R34; Xn R42/43; N R50 Acute Tox. 3, H301; Acute Tox. 3, H331; Resp. Sens. 1, H334; Met. Corr. 1, H290; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Skin Sens. 1, H317	≤ 1%

#### · Regulation (EC) No 648/2004 on detergents / Labelling for contents

disinfectants

- **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**  
CO<sub>2</sub>, 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

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*Keep away from ignition sources***· Environmental precautions:***Do not allow to enter drainage system, surface or ground water.**Dilute with much water.***· Methods and material for containment and cleaning up:***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.*

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**· 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:** *No special requirements.***· Information about storage in one common storage facility:** *Not required.***· Further information about storage conditions:** *Keep container tightly sealed.***8 Exposure controls/personal protection****· Additional information about design of technical systems:** .**· 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.**Wash hands during breaks and at the end of the work.***· Breathing equipment:** *Not necessary if room is well-ventilated.***· Protection of hands:** *Not required.***· Eye protection:** *Tightly sealed safety glasses.***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*

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**Boiling point/Boiling range:** not determined  
**Setting temperature / range:** < -20°C

· **Flash point:** 27°C

· **Self-inflammability:** product is not selfigniting

· **Danger of explosion:** product is not explosive. However, formation of explosive air/steam mixtures is possible

· **Density at 20°C** 0,89 g/cm<sup>3</sup>

· **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.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

Oral	LD50	>5000 mg/kg (Rat)
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· **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effect known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
 Irritant

### 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

LC50	>1000 mg/l (Fisch / fish) (Schätzwert / estimated value)
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· **Persistence and degradability**

· **Other information:** The product is easily biodegradable.

· **Ecotoxicological effects:**

· **Behaviour in sewage processing plants:**

· **Type of test Effective concentration Method Assessment**

EC10	>1000 mg/l ( <i>Pseudomonas putida</i> ) (Schätzwert / estimated value)
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· **Additional ecological information:** -

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

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· **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:** 30
- **UN-Number:** 1987
- **Packaging group:** III
- **Label** 3
- **UN proper shipping name:** 1987 ALCOHOLS, N.O.S. (n-propanol, isopropanol)

- **Maritime transport IMDG/GGVSea:**



- **IMDG/GGVSea Class:** 3
- **UN Number:** 1987
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Correct technical name:** ALCOHOLS, N.O.S. (n-propanol, isopropanol)

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



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1987
- **Label** 3

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- **Packaging group:** III
- **Correct technical name:** ALCOHOLS, N.O.S. (n-propanol, isopropanol)
- **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.
- H290 May be corrosive to metals.
- H301 Toxic if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- R11 Highly flammable.
- R23/25 Toxic by inhalation and if swallowed.
- R34 Causes burns.
- R36 Irritating to eyes.
- R41 Risk of serious damage to eyes.
- R42/43 May cause sensitisation by inhalation and skin contact.
- R50 Very toxic to aquatic organisms.
- R67 Vapours may cause drowsiness and dizziness.

- **\* Data compared to the previous version altered.**