

Safety Data Sheet

according to 1907/2006/EC, Article 31

Date of issue: 09.12.2008

Revision: 09.12.2008

1 Identification of substance:

- **Product details:**
- **Trade name:** Bacillol® plus
- **SAP-Code:** EN R10048
- **Application of the substance / the preparation** Surface disinfectant
- **Manufacturer/Supplier:**
BODE Chemie GmbH & Co. KG
Melanchthonstraße 27
D-22525 Hamburg (Germany)
Tel.: +49 (0)40 / 54 00 60
- **Informing department:**
KundenService-SiDa@bode-chemie.de
- **Emergency information:**
Giftnotruf Göttingen (Germany)
24h-Tel.: +49 (0)551 / 1 92 40

2 Hazards identification

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**
R 10 Flammable.
R 41 Risk of serious damage to eyes.
R 67 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.

3 Composition/information on ingredients

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

- **Dangerous components:**

CAS: 71-23-8 EINECS: 200-746-9	propan-1-ol	Xi, F; R 11-41-67	25-50%
CAS: 67-63-0 EINECS: 200-661-7	isopropanol	Xi, F; R 11-36-67	10-25%
CAS: 111-30-8 EINECS: 203-856-5	glutaral	T, C, N; R 23/25-34-42/43-50	≤ 1%

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

4 First aid measures

- **After inhalation** Supply fresh air.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.

(Contd. on page 2)

Safety Data Sheet

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Trade name: Bacillol® plus

(Contd. of page 1)

In case of persistent symptoms consult doctor.

5 Fire fighting measures

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

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Keep away from ignition sources
- **Measures for environmental protection:**
Do not allow to enter drainage system, surface or ground water.
Dilute with much water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling**
- **Information 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.
Protect against electrostatic charges.
- **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 and personal protection

- **Additional information about design of technical systems:** .
- **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.
- **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:** Safety glasses recommended during refilling.

EUE

(Contd. on page 3)

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(Contd. of page 2)

9 Physical and chemical properties:· **General Information**

Form: fluid
Colour: colourless
Smell: Alcohol-like

· **Change in condition**

Melting point/Melting range: not determined
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/cm³· **Solubility in / Miscibility with Water:** fully miscible**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****Bacillol plus (berechnet)**

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:**

Irritant

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:

12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is easily biodegradable.
- **Additional ecological information:** -

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(Contd. on page 4)

Safety Data Sheet

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(Contd. of page 3)

13 Disposal considerations

- **Product:**
- **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.
- **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
- **Designation of goods:** 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:** -
- **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
- **Packaging group:** III
- **Correct technical name:** ALCOHOLS, N.O.S. (n-propanol, isopropanol)

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV).

(Contd. on page 5)

EUE

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(Contd. of page 4)

· **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 designation of certain preparations:**

Contains glutaral. May produce an allergic reaction.

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 R-phrases**

- 11 Highly flammable.
- 23/25 Toxic by inhalation and if swallowed.
- 34 Causes burns.
- 36 Irritating to eyes.
- 41 Risk of serious damage to eyes.
- 42/43 May cause sensitisation by inhalation and skin contact.
- 50 Very toxic to aquatic organisms.
- 67 Vapours may cause drowsiness and dizziness.

· *** Data compared to the previous version altered.**

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