

Safety Data Sheet

according to 1907/2006/EC, Article 31

Date of issue: 28.05.2010

Revision: 28.05.2010

1 Identification of substance:

· **Product details:**

· **Trade name:** Bacillol® AF

· **SAP-Code:** EN R10072

· **Application of the substance / the preparation** Surface disinfectant

· **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 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	25-50%
CAS: 64-17-5 EINECS: 200-578-6	ethanol	F; R 11	1-5%

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

4 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.

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- **After swallowing**
Rinse mouth.
Do NOT induce vomiting.

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:** Not required.
- **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).

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.
- **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:** No further data; see item 7.
- **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**
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Tightly sealed safety glasses.

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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

· **Flash point:** 25°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: 2 Vol %

· **Steam pressure at 20°C:** 40 hPa

· **Density at 20°C** ca. 0,86 g/cm³

· Solubility in / Miscibility with

Water: fully miscible

· **pH-value (Conc. g/l) at 20°C:** ca. 6

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **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:

Oral	LD50	>2000 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:

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

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· **Additional ecological information:** -

13 Disposal considerations

· **Product:**· **Recommendation**

Smaller quantities can be disposed with household garbage.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· **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

· **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:** 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

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- **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).
- **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:**
2 Keep out of the reach of children.
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.
- **Decree to be applied in case of technical fault:**
Critical quantity values according to the regulations on accidents should be adhered to.

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.
36 Irritating to eyes.
41 Risk of serious damage to eyes.
67 Vapours may cause drowsiness and dizziness.
- *** Data compared to the previous version altered.**