

## 1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Bacillol AF Surface Disinfectant Spray  
 Product Code: 888

Application: Surface disinfectant

Company: Davis Schottlander & Davis Ltd  
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Date: 03.10.13 V1.0

## 2. HAZARD IDENTIFICATION

**Hazard designation:** 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

Propan-1-ol	CAS: 71-23-8 EINECS: 200-746-9	Irritant	Phrase Xi,	Flammable	Phrase F; R 11-41-67	25-50%
Isopropanol	CAS: 67-63-0 EINECS: 200-661-7	Irritant	Phrase Xi,	Flammable	Phrase F;R11-36-67	25-50%
Ethanol	CAS: 64-17-5 EINECS: 200-578-6			Flammable	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.

**After swallowing:** Rinse mouth. Do not induce vomiting.

## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing agents:** CO<sub>2</sub>, 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

**Information for safe handling:** Keep away from heat and direct sunlight.

**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 / 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 in 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 glass.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**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 self igniting.

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

**Critical values for explosion:** 2 Vol %

**Steam pressure at 20°C:** 40 hPa

# SAFETY DATA SHEET

Density at 20°C: Ca.0.86 g/cm<sup>3</sup>  
Solubility in/Miscibility with water: Fully mixable  
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. TOXICOLOGY INFORMATION

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:** Oral LD50 >2000 mg/kg (Rat)

**Primary irritant effect on the skin:** No irritant effect.

**Primary irritant effect on the eyes:** Strong irritant with the danger of severe eye injury.

**Sensitisation:** No sensitising 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.

## 13. DISPOSAL CONSIDERATIONS

**Recommendation**

Smaller quantities can be disposed of with household garbage.

Small amounts may be diluted with plenty of water and washed away. Dispose of larger 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 packaging:**

**Recommendation:** Dispose of packaging according to regulations on the disposal of packaging.

**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

## SAFETY DATA SHEET

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  
DR  
Label 3  
Packaging group: III  
Correct technical name: ALCOHOLS, N.O.S. (n-propanol, iso[ropanol])

### 15. REGULATORY INFORMATION

**Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives/Ordinance on Hazardous Materials (GegStoffV)

**Code letter and hazard designation of product:**

**Risk phrases:**

10 Flammable.  
41 Risk of serious damage to eyes.  
67 Vapours may cause drowsiness and dizziness.

**Safety phrases:**

2 Keep out of 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. FURTHER INFORMATION

**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.

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.