

# EC Safety Data Sheet

Date of issue / Reference - No.

26.09.05 29517.03SP

Replaces version of

Spraynet

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## Company

**Bien-Air Dental S.A.**, Länggasse 60, Postfach 6008, CH-2500 Biel 6  
Tel.: int. + 41 (0)32 344 64 64

## 1 Commercial product name and supplier

1.1	Commercial product name / designation	<b>Spraynet</b>
	Art. No.	<b>1600036</b>
1.2	Application / use	Cleaner for dental instruments
1.3	Producer	Bien-Air Dental S.A., Länggasse 60, Postfach 6008, CH-2500 Biel 6 Tel.: int. + 41 (0)32 344 64 64
1.4	Supplier	Bien-Air Dental S.A., Länggasse 60, Postfach 6008, CH-2500 Biel 6 Tel.: Int. + 41 (0)32 344 64 64
1.5	TOX emergency number CH	Abbreviated dialing: 145 (or: 01/ 251 51 51) Toxicol. Info-Centre CH-Zurich

## 2 Composition

2.1	Chemical characterisation	Ethanol with odorous substances, Aerosol
2.2	Hazardous components	Hazardous substances according to the EC Directives 2001/58/EEC and 67/548/EEC:  10 - 20% butane EINECS-No. 203-448-7 F+: Extremely flammable. R12: Extremely flammable.  10 - 20% propane EINECS-No. 200-827-9 F+: Extremely flammable. R12: Extremely flammable.  50 - 70% ethanol ; ethyl alcohol EINECS-No. 200-578-6 F: Highly flammable. R11: Highly flammable.  1.0 - 2.9% propan-2-ol ; isopropyl alcohol EINECS-No. 200-661-7 Xi: Irritant. F: Highly flammable. R11: Highly flammable. R36: Irritating to eyes. R67: Vapours may cause drowsiness and dizziness.
2.3	Further information	

## 3 Hazards identification

Extremely flammable.  
During use, the formation of an explosive/highly inflammable mixture of vapour and air is possible.

## 4 First aid measures

		In case of general malaise, seek medical advice (show this safety-data sheet).
4.1	Eye contact	Rinse thoroughly with water. If the irritation persists, consult a doctor.
4.2	Skin contact	Wash off with water and mild soap.
4.3	Ingestion	Do not induce vomiting, consult a doctor.
4.4	Inhalation	Give the patient fresh air and in case of symptoms consult a doctor.
4.5	Further information	None

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## 5 Fire-fighting measures

- |     |                              |   |
|-----|------------------------------|---|
| 5.1 | Suitable extinguishing media | Carbon dioxide, extinguishing powder, foam, water mist. |
| 5.2 | Extinguishing media to avoid | Direct jet of water                                     |
| 5.3 | Further information          | None  |

## 6 Accidental release measures

Remove and keep away from sources of ignition.  
Do not allow to get into drainage systems, rivers, lakes or the soil.  
Take up with oil binders.

## 7 Handling and storage

- |     |                                |   |
|-----|--------------------------------|---|
| 7.1 | Handling                       | Do not spray towards naked flames or glowing objects.<br>Do not force open or burn, even after use.   |
| 7.2 | Industrial hygiene             | Observe the usual measures of working hygiene.<br>Wash the hands after using the product.<br>Change soaked clothing.<br>Keep away from food, drinks and animal feed.  |
| 7.3 | Storage                        | Duration of storage: In original container, at least 3 years.<br>Protect against heating above 50 °C (e.g. in sunlight).<br>Keep away from possible sources of ignition.<br>Store in closed, original containers. |
| 7.4 | Place of storage               |   |
| 7.5 | Fire- and explosion protection | Use away from sources of ignition and only with adequate ventilation.<br>The propellant gas is inflammable and produces explosive mixtures with air.  |

## 8 Exposure controls / personal protection

- |       |                               |   |
|-------|-------------------------------|---|
| 8.1   | Technical equipment           | Handle only in presence of adequate ventilation.  |
| 8.2   | Control of treshold limits    | TLV-value (ethanol): 1000mg/m <sup>3</sup> = 500 ml/m <sup>3</sup><br>TLV-value (Isopropanol): 500mg/m <sup>3</sup> = 200 ml/m <sup>3</sup> |
| 8.3   | Personal protective equipment |   |
| 8.3.1 | Respiratory protection        | Not required.   |
| 8.3.2 | Hand protection               | Not required.   |
| 8.3.3 | Eye protection                | Protective goggles are recommended.   |
| 8.3.4 | Other                         | Working clothes.  |

## 9 Physical and chemical properties

- |     |   |                               |              |
|-----|---|-------------------------------|--------------|
| 9.1 | Appearance                                      | Aerosol                       |              |
| 9.2 | Color   | colourless, clear             |              |
| 9.3 | Odour   | peppermint                    |              |
| 9.4 | Change in physical state<br>Boiling temperature | - 48 °C                       | Test method: |
| 9.5 | Density   | 0.80.<br>(Active ingredients) |              |
| 9.6 | Vapour pressure (20 °C)                         | 3.0 bar<br>5.2 bar            |              |

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9.7	Viscosity	1.2 mPas (20°C) (Active substance)
9.8	Solubility in water	soluble
9.9	pH-value	n.a.
9.10	Flash point	12 °C (Active ingredients)
9.11	Ignition temperature	425 °C (Active ingredients)
9.12	Explosion limits	Lower: 0.6 vol.% (1013 mbar) Upper: 7.0 vol.% (1013 mbar)
9.13	Further information	The product does not contain mineral oil.

### 10 Stability and reactivity

10.1	Thermal decomposition	None when used according to the instructions.
10.2	Hazardous decomposition products	None when used according to the instructions.
10.3	Hazardous reactions	No dangerous reactions are known.
10.4	Further information	None

### 11 Toxicological information

11.1	Acute toxicity	LD <sub>50</sub> (oral, rat): > 5000 mg/kg (calculated)
11.2	Further information	According to our experience and the available information, if handled correctly and in accordance with the instructions the product is not injurious to health.

### 12 Ecological information

12	Ecological information	The product is biodegradable.
12.1	Water-endangering Class	Generally not water-endangering

### 13 Disposal considerations

13	Disposal considerations	Switzerland: in accordance with the OMW of 01.01.2006 with LMW-code (EC-Legislation conformable) In accordance with the local authority regulations. Germany: in accordance with the Law on Waste Disposal (AbfG).
13.1	European waste code	07 01 04
13.2	Swiss waste code	1222

### 14 Transport information

14.1	GGVE / GGVS	Class 2.1	Cipher 5F	
	RID / ADR	Class 2.1	Cipher 5F	
	UN-No.	1950		
	Kemler No.	--		
	Overland statement	Aerosols, flammable		
14.2	GGVSee	Class 2.1	Cipher	
	ADNR	Class 2.1	Cipher	Cat.
	UN-No.	1950		
	IMDG-code page	2102		
	EMS	F-D, S-U		
	MFAG	--		
	Packing group	no		
	See transport statement	Aerosols, flammable		

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14.3	ICAO / IATA-DGR UN-No. Proper Shipping Name Subsidiary risk Labels Packing group Passenger aircraft Cargo aircraft only	2.1 1950 Aerosols, flammable -- 2.1 (Flammable Gas) no Packing Instruction 203 Packing Instruction 203	max. 75 kg max. 150 kg
14.4	Further information		
<b>15</b>	<b>Regulatory information</b>	The product must be marked/identified according to the EC guidelines.	
15.1	Switzerland: FOPH T No.	611500	
15.2	Swiss toxicity class	Free of toxicity class	
15.3	EC-No.		
15.4	Hazard symbols	F+ 	
15.5	Hazard designation	F+: Extremely flammable. Contains butane, propane, ethanol ; ethyl alcohol, propan-2-ol ; isopropyl alcohol.	
15.6	Risk phrases	<b>R: 12</b> 12 Extremely flammable.	
15.7	Safety phrases	<b>S: 3/9-2-23-51</b> 3/9 Keep in a cool, well ventilated place. 2 Keep out of the reach of children. 23 Do not breathe <b>spray</b> . 51 Use only in well-ventilated areas.	
15.8	MAK value	see point 8.2	
15.9	BVD classification	F1 g Fu PN3 Gp	
15.10	VbF	B	
15.11	Further information	None	
<b>16</b>	<b>Other information</b>	All contents comply with current pharmacological or food grade standards  Changes: Pts.  Abbreviations: n.a. = not applicable; n.b. = not determined	

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.