

Material Safety Data Sheet

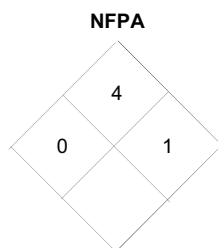
Cervitec Plus

Date of issue / Reference	05.05.2009	liprt / Version 4	
Replaces version of	14.04.2009	liprt / Version 3	
Date of printing	05.05.2009	Sheet No. 1674	Version 4

Company	Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan Fürstentum Liechtenstein
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1 Commercial product name and supplier

1.1 Commercial product name / Designation	Cervitec Plus
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HMIS	
H	0
F	4
R	1

1.2 Application / Use	Protective varnish
1.3 Producer	Ivoclar Vivadent AG, Bendererstrasse 2, 9494 Schaan Principality of Liechtenstein (FL)
1.4 Supplier	Ivoclar Vivadent, Inc. 175 Pineview Drive, Amherst NY 14228, USA 2785 Skymark Ave., Unit 1 Mississauga, ON L4W4Y3, Canada MSDS prepared by Anderjeet Gulati. Tel. No. 716 691-0010
1.5 24 Hour Emergency Assistance	Emergency-Call USA- Infotrac: 1-800-535-5053 Emergency-Call Canada - Canutec: 1-613-996-6666
General MSDS Assistance	US: 1-800-533-6825 Canada: 1-800-263-8182

2 Composition

2.1 Chemical characterization	Mixture of ethanol, water, acrylate and vinylacetate - copolymer, thymol and chlorhexidine.
2.2 Hazardous components	
	CAS No. 64-17-5 < 80 % Ethanol F: Highly flammable. R11: Highly flammable.
	CAS No. 89-83-8 1 % Thymol
	CAS No. 56-95-1 1 % Chlorhexidine
2.3 Further information	None.

3 Hazards identification	Highly flammable. Irritating to eyes. Do not breathe vapour.
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4 First aid measures

4.1 Eye contact	Flush eyes with plenty of water (10-15 min.). Call a physician.
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|-----|---------------------|---|
| 4.2 | Skin contact | Wash thoroughly with soap and water. |
| 4.3 | Ingestion | No hazards anticipated from swallowing small amounts incidentally to normal handling. |
| 4.4 | Inhalation | Take into fresh air. |
| 4.5 | Further information | Remove contaminated clothing. |

5 Fire-fighting measures

- | | | |
|-----|------------------------------|---|
| 5.1 | Suitable extinguishing media | Water fog, carbon dioxide, foam, dry chemicals. |
| 5.2 | Extinguishing media to avoid | Do not use direct water stream. |
| 5.3 | Flash point | 53 °F |
| 5.4 | Ignition temperature | |
| 5.5 | Explosion limits | Lower: 3.5 Vol%
Upper: 15 Vol% |
| 5.6 | Further information | Cool containers in the vicinity of the blaze using a water spray. |

Test method:

6 Accidental release measures

Clean up with absorbent material.
Dispose of according to local and national regulations.

7 Handling and storage

- | | | |
|-----|--------------------------------|---|
| 7.1 | Handling | Only adequately trained personnel should handle this product. |
| 7.2 | Industrial hygiene | Usual hygienic measures for dental practice.
When using, do not eat, drink or smoke. |
| 7.3 | Storage | Store in cool, dry well ventilated area away from sources of ignition and heat.
Keep containers tightly closed.
Store at 2-8 °C |
| 7.4 | Place of storage | |
| 7.5 | Fire- and explosion-protection | Keep away from sources of ignition. |

8 Exposure controls / Personal protection

- | | | |
|-----|-----------------------|---|
| 8.1 | Exposure controls | Good general ventilation should be sufficient. |
| 8.2 | Exposure limit values | MAK (Maximale Arbeitsplatzkonzentration, Germany) is 1000 ppm.
ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is 1000 ppm (Ceiling). |

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8.3 Occupational exposure controls

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|------------------------------|---|
| 8.3.1 Respiratory protection | Not required. |
| 8.3.2 Hand protection | Solvent resistant gloves. |
| 8.3.3 Eye protection | Safety goggles. |
| 8.3.4 Other | Eye wash fountain should be located in immediate work area. |

8.4 Environmental exposure controls

9 Physical and chemical properties

- | | | |
|------------------------------|-------------------------------|--------------|
| 9.1 Appearance | clear liquid | |
| 9.2 Colour | colourless | |
| 9.3 Odour | like alcohols | |
| 9.4 Change of physical state | | Test method: |
| | not determined | |
| 9.5 Density | 0.84 g/cm ³ (25°C) | |
| 9.6 Vapour pressure | | |
| | not determined | |
| 9.7 Viscosity | | |
| 9.8 Solubility | | |
| Solubility in water | Not determined. | |
| 9.9 pH | | |
| | Not determined. | |
| 9.10 Further information | | |
| Part. coeff. n-octanol/water | | |
| Evaporat. rate | None. | |
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10 Stability and reactivity

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|---------------------------------------|--|
| 10.1 Thermal decomposition | None, if used in accordance to instructions. |
| 10.2 Hazardous decomposition products | None under normal conditions of storage and use. |

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10.3	Conditions / materials to avoid	None, if used in accordance to instructions.
10.4	Further information	The product is highly flammable. Avoid ignition sources such as flames or spark producing equipment.

11 Toxicological information

11.1	Acute toxicity	Oral LD50 for rats: > 5'000 mg/kg
11.2	Subacute / Chronic toxicity	
11.3	Further information	Excessive exposure may cause eye and respiratory irritation.

12 Ecological information

12.1	Ecotoxicity	No data available.
12.2	Mobility	No data available.
12.3	Persistence and degradability	No data available.
12.4	Bioaccumulative potential	No data available.
12.5	Further information	German 'Wassergefahrdungs Klasse (WGK): 1

13 Disposal considerations

Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

14 Transport information

14.1	Transport at land	ADR	3	RID	3
		UN Number	1170	Kemler Number	---
		Packing Group	II		
		Proper shipping name			
14.2	Transport at sea	ADNR	3	IMDG	3
		UN Number	1170		
		EMS	F-E, S-D	MFAG	--
		Packing Group	II		
		Proper shipping name	Ethanol solution		
		Marine pollutant			

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14.3	Air transport	ICAO / IATA-DGR	3
		UN Number	1170
		Proper shipping name	Ethanol solution
		Subsidiary Risk	---
		Labels	Flamm. Liquid
		Packing Group	II
	Passenger airplane	Packing Instructions	305
		max.	5 L
	Cargo Airplane	Packing Instructions	307
		max.	60 L

14.4 Further information

Product is not classified as a dangerous good for transport.

15 Regulatory information

This product requires classification according to the criteria of the EC.
The product is a medical device according to the EC-directive 93/42/EEC.

15.1 National regulations

15.2 NFPA Storage

15.3 Further information

None.

16 Other information

None.

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 do not have the meaning of guarantees on properties.

