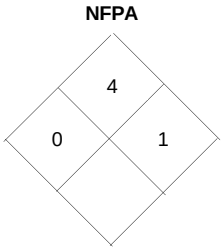
Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Principality of Liechtenstein

1 Commercial product name and supplier

1.1 Commercial product name / Designation **Cervitec Plus**



HMIS	
H	0
F	4
R	1
C	

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 Mississagua, ON L4W4Y3, Canada
MSDS prepared by Andejeet 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.
MAK values : 1000 ppm

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.

4 First aid measures

4.1	Eye contact	Flush eyes with plenty of water (10-15 min.). Call a physician.
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.
		Test method:
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.

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 2-28 °C / 36-82 °F
7.4	Place of storage	
7.5	Fire- and explosion-protection	Keep away from sources of ignition.

8 Exposure controls / Personal protection

8.1	Technical measures	Good general ventilation should be sufficient.
8.2	Control of threshold limits	MAK (Maximale Arbeitsplatzkonzentration, Germany) is 1000

ppm. ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is 1000 ppm (Ceiling).

8.3	Personal protective equipment	
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.

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/cm³ (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	None.	

10 Stability and reactivity

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

German 'Wassergefaehrdungs 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	31-02
		UN Number	1170		
		EMS	F-E, S-D	MFAG	--
		Packing Group	II		
		Proper shipping name	Ethanol solution		

14.3	Air transport		ICAO / IATA-DGR	
			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		Sample shipment not allowed by mail.	

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

Version: 1

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.

This safety data sheet has been generated with the safety database 'ChemManager',
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