

# EU Safety Data Sheet

IPS Contrast Spray Chairside



Date of issue / Reference

14.11.2006 casa

Replaces version of

07.09.2006

Date of printing

14.11.2006 **Sheet No. 1665**

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Company

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

## 1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **IPS Contrast Spray Chairside**
- 1.2 Application / Use Optical Impressions
- 1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein
- 1.4 Supplier
- 1.5 TOX emergency number Emergency-Call: +423 / 235 35 35 or 373 40 40  
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

## 2 Composition

- 2.1 Chemical characterization Suspension of TiO<sub>2</sub>, SiO<sub>2</sub> and Ethanol in Heptafluorpropan
- 2.2 Hazardous components  
CAS No. 64-17-5 <15 % Ethanol
- 2.3 Further information None.

## 3 Hazards identification

### 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 with water.
- 4.3 Ingestion After ingestion call a physician immediately and show packaging or label.  
Give large amounts of water.
- 4.4 Inhalation Take into fresh air. If you feel unwell, seek medical advice (show this safety data sheet).
- 4.5 Further information None.

### 5 Fire-fighting measures

- 5.1 Suitable extinguishing media Carbon dioxide, sand, foam, dry chemicals
- 5.2 Extinguishing media to avoid Do not use direct water stream.
- 5.3 Further information None.

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**6 Accidental release measures** Dispose of according to local and national regulations.

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## **7 Handling and storage**

- 7.1 Handling Only adequately trained personnel should handle this product. Keep out of reach of children.
- 7.2 Industrial hygiene Usual hygienic measures for dental practice. When using, do not eat, drink or smoke.
- 7.3 Storage Do not expose to direct sunshine. Store at 2-28 °C / 36-82 °F Store in dry well ventilated area away from sources of ignition and heat.
- 7.4 Place of storage
- 7.5 Fire- and explosion-protection
- 

## **8 Exposure controls / Personal protection**

- 8.1 Technical measures Provide adequate local ventilation. Control airborne concentration below the exposure guideline.
- 8.2 Control of threshold limits
- 8.3 Personal protective equipment
- 8.3.1 Respiratory protection Aerosol: Do not breathe vapour or spray. In poorly ventilated areas, use air-purifying respiratory protection apparatus ( type A ).
- 8.3.2 Hand protection 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 liquified gas
- 9.2 Colour colourless
- 9.3 Odour practically odourless
- 9.4 Change of physical state Test method:  
Melting point not applicable  
Boiling point
- 9.5 Density
- 9.6 Vapour pressure ca. 4000 hPa  
(Over pressure)

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9.7 Viscosity  
not applicable

9.8 Solubility  
Solubility in water

9.9 pH not applicable

9.10 Flash point

9.11 Ignition temperature

9.12 Explosion limits  
Lower:  
Upper:

9.13 Further information None.

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## 10 Stability and reactivity

10.1 Thermal decomposition Conditions to Avoid (see 7.1 - 7.5)

10.2 Hazardous decomposition products None under normal conditions of storage and use.

10.3 Hazardous reactions None under normal conditions of storage and use.

10.4 Further information None.

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## 11 Toxicological information

11.1 Acute toxicity Do not breathe vapour. Signs and symptoms of excessive exposure may be narcotic effects.  
If liquid contacts skin and eyes, evaporation may cause frost-bite type injury due to rapid cooling.

11.2 Subacute / Chronic toxicity

11.3 Further information Excessive exposure may cause eye and respiratory irritation.

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## 12 Ecological information

No ecological problems to be anticipated if properly handled and used.  
No bioconcentration is expected because of the volatility and degradability of this material.

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## 13 Disposal considerations

Advice on the preferred disposal method should be obtained from the local/national authorities.

13.1 EU waste key 16 05 05

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## 14 Transport information

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14.1	Transport at land	ADR	2	RID	2
		UN Number	1950	Kemler Number	---
		Packing Group	---		
		Proper shipping name	Aerosols		
14.2	Transport at sea	ADNR	2	IMDG	32-04
		UN Number	1950		
		EMS	F-D, S-U	MFAG	---
		Packing Group	---		
		Proper shipping name	Aerosols		
14.3	Air transport	ICAO / IATA-DGR	Class 2		
		UN Number	1950		
		Proper shipping name	Aerosols		
		Subsidiary Risk	---		
		Labels	Gas		
		Packing Group	---		
	Passenger airplane	Packing Instructions	203		
		max.	75 kg		
	Cargo Airplane	Packing Instructions	203		
		max.	150 kg		
14.4	Further information	None.			

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## 15 Regulatory information

The product is a medical device according to the EC-directive 93/42/EEC.  
This product is classified as a medical device under US and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada.

15.1	UN number	1950
15.2	National regulations	
15.3	EU number	---
15.4	Hazard symbols	
15.5	Hazard designation	Contains Ethanol.
15.6	Risk phrases	
15.7	Safety phrases	
15.8	MAK value	
15.9	BVD classification (CH)	---
15.10	VbF (D)	
15.11	Further information	None.

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## 16 Other information

Version: 3  
Changes: 14

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*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.*

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