

# Material Safety Data Sheet

IPS Contrast Spray Chairside

Date of issue / Reference

21.12.2011 liprt / Version 5

Replaces version of

27.09.2007 lise / v4

Date of printing

21.12.2011 Sheet No. 1665



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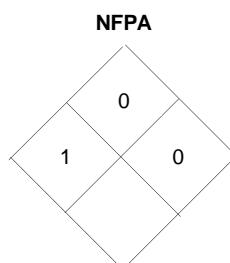
Company

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**



HMIS	
H	1
F	0
R	0
C	

1.2 Application / Use

Optical Impressions

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 Andeject 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

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.

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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.

Test method:

5.3 Flash point

5.4 Ignition temperature

5.5 Explosion limits Lower:  
Upper:

5.6 Further information None.

## 6 Accidental release measures

Dispose of according to local and national regulations.

## 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 Comply with special regulations for aerosols. Storage class VCI: 2B  
Note: TRGS 300

## 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.

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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)

9.7 Viscosity

not applicable

9.8 Solubility

Solubility in water

9.9 pH

not applicable

9.10 Further information

None.

## 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.

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

10.4 Further information None.

## 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.

## 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.

## 13 Disposal considerations

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

## 14 Transport information

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		

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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.	

## 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 National regulations

### 15.2 NFPA Storage

### 15.3 Further information

None.

## 16 Other information

No other information.

*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.*