

# EU Safety Data Sheet

IPS Contrast Spray Labside



Date of issue / Reference 24.08.2006 hot

Replaces version of

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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 Labside**
- 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> und Ethanol
- 2.2 Hazardous components Propellant gas
- CAS No. 106-97-8 n-Butane  
R12: Extremely flammable.
- CAS No. 74-98-6 Propane  
R12: Extremely flammable.
- 2.3 Further information Not for intraoral application

## 3 Hazards identification

Flammable.

## 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.

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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

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## 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

8.3.3 Eye protection

8.3.4 Other Eye wash fountain should be located in immediate work area.

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## 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

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9.6 Vapour pressure

9.7 Viscosity

not applicable

9.8 Solubility

Solubility in

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

14.1	Transport at land	ADR	2	RID	2
		UN Number	1950	Kemler Number	
		Packing Group	---		
		Proper shipping name	#Fehler		
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, flammable		
14.3	Air transport	ICAO / IATA-DGR		Class 2.1	
		UN Number		1950	
		Proper shipping name		Aerosols, flammable	
		Subsidiary Risk		---	
		Labels		Flamm. 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

This product requires classification according to the criteria of the "Gefahrstoffverordnung".

15.1 UN number

1950

15.2 National regulations

15.3 EU number

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15.4 Hazard symbols

**F+**



15.5 Hazard designation

F+: Extremely flammable. Contains Propane, n-Butane.

15.6 Risk phrases

**R: 12**

12 Extremely flammable.

15.7 Safety phrases

15.8 MAK value

15.9 BVD classification (CH)

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15.10 VbF (D)

15.11 Further information None.

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**16 Other information** Version: 1

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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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