

EU Safety Data Sheet

IPS InLine System Opaquer Liquid



Date of issue / Reference	14.02.2011	liprt		
Replaces version of	19.05.2010	liprt / v4		
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Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Fürstentum Liechtenstein

1 Commercial product name and supplier

1.1	Commercial product name / Designation	IPS InLine System Opaquer Liquid
1.2	Application / Use	
1.3	Producer	Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan Fürstentum Liechtenstein msds@ivoclarvivadent.com
	Supplier	
1.4	TOX emergency number	
	Official	Emergency-Call: +423 / 235 33 13 Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

2 Hazards identification

None.

3 Composition

3.1	Chemical characterization	Mixture of butylene glycol, glycerine and thickener
3.2	Hazardous components	None.
3.3	Further information	None.

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	After ingestion call a physician immediately and show this safety data sheet. Do not induce vomiting. Give large amounts of water.
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
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- 5.2 Extinguishing media to avoid Do not use direct water stream.
- 5.3 Further information Cool containers in the vicinity of the blaze using a water spray.
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- 6 Accidental release measures** Clean up with absorbent material.
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.
- 7.2 Industrial hygiene Usual hygienic measures for dental practice.
- 7.3 Storage Store in dry well ventilated area away from sources of ignition and heat.
- 7.4 Place of storage Store at 2-28 °C / 26-82 °F
- 7.5 Fire- and explosion-protection Keep away from sources of ignition.
-

8 Exposure controls / Personal protection

- 8.1 Exposure controls Control airborne concentration below the exposure guideline.
- 8.2 Exposure limit values MAK (Maximale Arbeitsplatzkonzentration, Germany) is 200 ppm.
ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is 200 ppm.
- 8.3 Occupational exposure controls
- 8.3.1 Respiratory protection For most conditions, no respiratory protection should be needed.
- 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.
- 8.4 Environmental exposure controls
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9 Physical and chemical properties

- 9.1 Appearance liquid
- 9.2 Colour transparent, colourless
- 9.3 Odour characteristic
- 9.4 Change of physical state Test method:
Not determined.

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9.5	Density	Not determined.
9.6	Vapour pressure	13 mbar (20°C)
9.7	Viscosity	not determined
9.8	Solubility	
	Solubility in water	partially miscible
9.9	pH	Not determined.
9.10	Flash point	> 100 °C
9.11	Ignition temperature	> 300 °C
9.12	Explosion limits	Lower: 1.2 Vol% Upper: 7.5 Vol%
9.13	Further information	
	Part. coeff. n-octanol/water	
	Evaporat. rate	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	Conditions / materials to avoid	None, if used in accordance to instructions.
10.4	Further information	The product is flammable. Avoid ignition sources such as flames or spark producing equipment.

11 Toxicological information

11.1	Acute toxicity	
11.2	Subacute / Chronic toxicity	Excessive exposure may cause eye and respiratory irritation.
11.3	Further information	None.

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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	The product must not enter effluent, ground water, surface water or the soil.

13 Disposal considerations

		Take to a special waste incineration plant, in line with local regulations.
13.1	EU waste key	20 01 13

14 Transport information

14.1	Transport at land	ADR	---	RID	---
		UN Number	---	Kemler Number	---
		Packing Group	---		
		Proper shipping name	---		
14.2	Transport at sea	ADNR	---	IMDG	---
		UN Number	---		
		EMS	---	MFAG	---
		Packing Group	---		
		Proper shipping name	---		
		Marine pollutant			
14.3	Air transport	ICAO / IATA-DGR	---		
		UN Number	---		
		Proper shipping name	---		
		Subsidiary Risk	---		
		Labels	---		
		Packing Group	---		
	Passenger airplane	Packing Instructions	---		
		max.	---		
	Cargo Airplane	Packing Instructions	---		
		max.	---		
14.4	Further information	Product is not classified as a dangerous good for transport.			

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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.
This product does not require classification as Dangerous Goods.

15.1 UN number ---

15.2 National regulations

15.3 EINECS/ELINCS number

15.4 Hazard symbols

15.5 Hazard designation

15.6 Risk phrases

15.7 Safety phrases

15.8 AGW value

15.9 BVD classification (CH)

15.10 VbF (D)

15.11 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.