

# Material Safety Data Sheet

IPS InLine System Opaquer Liquid



Date of issue / Reference 14.02.2011 liprt  
Replaces version of 19.05.2010 liprt / v4  
Date of printing 14.02.2011 **Sheet No. 1590** Version 5 Page 1 of 5

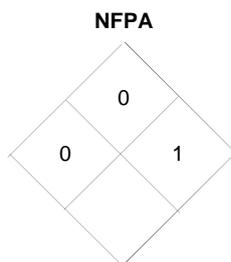
---

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**



HMIS	
H	0
F	0
R	1

1.2 Application / Use

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 Anderjeet 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 butylene glycol, glycerine and thickener

2.2 Hazardous components None.

2.3 Further information None.

---

3 Hazards identification 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.

# Material Safety Data Sheet

IPS InLine System Opaquer Liquid



Date of issue / Reference	14.02.2011	liprt		
Replaces version of	19.05.2010	liprt / v4		
Date of printing	14.02.2011	<b>Sheet No. 1590</b>	Version 5	Page 2 of 5

---

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

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: 1.2 Vol%  
Upper: 7.5 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.

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.

# Material Safety Data Sheet

IPS InLine System Opaquer Liquid



Date of issue / Reference	14.02.2011	liprt		
Replaces version of	19.05.2010	liprt / v4		
Date of printing	14.02.2011	<b>Sheet No. 1590</b>	Version 5	Page 3 of 5

---

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

8.4 Environmental exposure controls

---

## 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.	
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 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.

---

# Material Safety Data Sheet

IPS InLine System Opaquer Liquid



Date of issue / Reference	14.02.2011	liprt		
Replaces version of	19.05.2010	liprt / v4		
Date of printing	14.02.2011	<b>Sheet No. 1590</b>	Version 5	Page 4 of 5

---

## 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.
- 

## 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.
- 

## 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     |     |      |     |

# Material Safety Data Sheet

IPS InLine System Opaquer Liquid



Date of issue / Reference	14.02.2011	liprt		
Replaces version of	19.05.2010	liprt / v4		
Date of printing	14.02.2011	<b>Sheet No. 1590</b>	Version 5	Page 5 of 5

---

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.

---

**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 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.*

---

