

# Material Safety Data Sheet

IPS InLine System Opaquer Liquid



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**Sheet No. 1590**

Version 5

Page 1 of 5

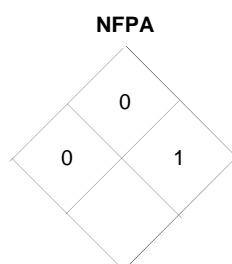
Company

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.

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| Date of printing          | 14.02.2011 | <b>Sheet No. 1590</b> | Version 5 | Page 2 of 5 |

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4.4 Inhalation Take into fresh air.

4.5 Further information Remove contaminated clothing.

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## 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.

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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.

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## 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.

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**Sheet No. 1590**

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.

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**Sheet No. 1590**

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

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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

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|      |                    |                      |     |
|------|--------------------|----------------------|-----|
| 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.*

