

# EU Safety Data Sheet

IPS d.SIGN Pastes  
Stains, Shades, Glaze material,



Date of issue / Reference 08.04.2005 hot  
Replaces version of 15.07.2003  
Date of printing 08.04.2005

**Sheet No. 1347**

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Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Principality of Liechtenstein

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## 1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **IPS d.SIGN Pastes  
Stains, Shades, Glaze material, Opaquer**
- 1.2 Application / Use Ceramic
- 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 Pastes made of  
60-75 % IPS d.SIGN ceramic powder and pigments  
25-40 % Glycole
- 2.2 Hazardous components None.
- 2.3 Further information None.
- 

- 3 **Hazards identification** Grinding dust (see 8.3.1).
- 

## 4 First aid measures

- 4.1 Eye contact Flush eyes with plenty of water; mechanical effects only.
- 4.2 Skin contact Wash thoroughly with soap and water.
- 4.3 Ingestion Give large amounts of water.
- 4.4 Inhalation Take into fresh air.
- 4.5 Further information None.
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## 5 Fire-fighting measures

- 5.1 Suitable extinguishing media No specific requirements.
- 5.2 Extinguishing media to avoid None.
- 5.3 Further information While burning it produces carbon dioxide and carbon monoxide.
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## 6 Accidental release measures

Clean up mechanically.  
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 Store at 12-28 °C / 54-82 °F.
- 7.4 Place of storage Store in a dry place.
- 7.5 Fire- and explosion-protection Not required.
- 

## 8 Exposure controls / Personal protection

- 8.1 Technical measures Provide adequate local ventilation.
- 8.2 Control of threshold limits Producer Industry recommends an exposure limit of 1.5 mg/m<sup>3</sup>.
- 8.3 Personal protective equipment
- 8.3.1 Respiratory protection Respiratory Protection. Avoid inhalation of dust while grinding.  
Do not breathe vapour.  
In dusty atmospheres, use an approved dust respirator.
- 8.3.2 Hand protection Not required.
- 8.3.3 Eye protection Safety goggles.
- 8.3.4 Other None.
- 

## 9 Physical and chemical properties

- 9.1 Appearance Paste
- 9.2 Colour different
- 9.3 Odour odourless
- 9.4 Change of physical state Test method:
- 9.5 Density not known
- 9.6 Vapour pressure not applicable
- 9.7 Viscosity not applicable

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## 9.8 Solubility

Solubility in

partially miscible

## 9.9 pH

not known

## 9.10 Flash point

> 200 °C

## 9.11 Ignition temperature

not applicable

## 9.12 Explosion limits

Lower:  
Upper:  
not applicable

## 9.13 Further information

None.

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## 10 Stability and reactivity

### 10.1 Thermal decomposition

None.

### 10.2 Hazardous decomposition products

None.

### 10.3 Hazardous reactions

None.

### 10.4 Further information

None.

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## 11 Toxicological information

### 11.1 Acute toxicity

This product is not hazardous according to EEC criteria.

### 11.2 Subacute / Chronic toxicity

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.  
Avoid eye and skin contact.  
Avoid breathing vapours.  
Excessive exposure may cause eye and respiratory irritation.

### 11.3 Further information

None.

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## 12 Ecological information

No ecological problems to be anticipated if properly handled and used.

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## 13 Disposal considerations

Take to a special waste incineration plant, in line with local regulations.

### 13.1 EU waste key

18 01 06

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## 14 Transport information

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|      |                     |   |     |               |     |
|------|---------------------|---|-----|---------------|-----|
| 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                                      | --- |               |     |
| 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 for any mode of transportation. |     |               |     |

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## 15 Regulatory information

This product does not require classification according to the criteria of the EC.  
The product is a medical device according to the EC-directive 93/42.

15.1 UN number

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15.2 National regulations

15.3 EU number

15.4 Hazard symbols

15.5 Hazard designation

15.6 Risk phrases

15.7 Safety phrases

15.8 MAK value

15.9 BVD classification (CH)

15.10 VbF (D)

15.11 Further information

None.

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## 16 Other information

Version: 3

Changes: 13.1

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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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This safety data sheet has been generated with the safety database 'ChemManager',  
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