# EU Safety Data Sheet

**IPS d.SIGN ceramic separating pen**

<table>
<thead>
<tr>
<th>Date of issue / Reference</th>
<th>23.03.2005</th>
</tr>
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<tbody>
<tr>
<td>Replaces version of</td>
<td>31.01.2005</td>
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<tr>
<td>Sheet No.</td>
<td>1341</td>
</tr>
<tr>
<td>Company</td>
<td>Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan, Principality of Liechtenstein</td>
</tr>
</tbody>
</table>

## 1 Commercial product name and supplier

### 1.1 Commercial product name / Designation

**IPS d.SIGN ceramic separating pen**

### 1.2 Application / Use

### 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

Paraffin oil (CAS No. 8012-95-1)

### 2.2 Hazardous components

None.

### 2.3 Further information

None.

## 3 Hazards identification

None, if used in accordance to instructions.

## 4 First aid measures

### 4.1 Eye contact

Flush eyes with plenty of water. Call a physician if irritation persists.

### 4.2 Skin contact

Wash thoroughly with soap and water.

### 4.3 Ingestion

Give large amounts of water.

### 4.4 Inhalation

Remove to fresh air.

### 4.5 Further information

None.

## 5 Fire-fighting measures

### 5.1 Suitable extinguishing media

Water fog, carbon dioxide, foam

### 5.2 Extinguishing media to avoid

None known

### 5.3 Further information

None.

## 6 Accidental release measures

Mop up, wipe up or soak up immediately. Dispose of according to local and national regulations.
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

7.5 Fire- and explosion-protection
None.

8 Exposure controls / Personal protection

8.1 Technical measures
None, if used in accordance to instructions.

8.2 Control of threshold limits
None established.

8.3 Personal protective equipment

8.3.1 Respiratory protection
Not required.

8.3.2 Hand protection
Gloves.

8.3.3 Eye protection
Safety goggles.

8.3.4 Other
None.

9 Physical and chemical properties

9.1 Appearance
liquid

9.2 Colour
colourless

9.3 Odour
odourless

9.4 Change of physical state
Test method:

9.5 Density
0.88 g/cm³

9.6 Vapour pressure
110 - 125 mbar (20°C)

9.7 Viscosity
33.5 mPa·s (20°C)

9.8 Solubility
Solubility in
non soluble

9.9 pH
not determined
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</table>

| 9.10 Flash point | 215 °C |
| 9.11 Ignition temperature | > 300 °C |
| 9.12 Explosion limits | Lower:  Upper: not applicable |

| 9.13 Further information | None. |

### 10 Stability and reactivity

<table>
<thead>
<tr>
<th>10.1 Thermal decomposition</th>
<th>None, if used in accordance to instructions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.2 Hazardous decomposition products</td>
<td>None under normal conditions of storage and use.</td>
</tr>
<tr>
<td>10.3 Hazardous reactions</td>
<td>None.</td>
</tr>
<tr>
<td>10.4 Further information</td>
<td>None.</td>
</tr>
</tbody>
</table>

### 11 Toxicological information

<table>
<thead>
<tr>
<th>11.1 Acute toxicity</th>
<th>Oral LD50 for rats: &gt;8'000 mg/kg</th>
</tr>
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<tbody>
<tr>
<td>11.2 Subacute / Chronic toxicity</td>
<td>No hazards known.</td>
</tr>
<tr>
<td>11.3 Further information</td>
<td>No hazards anticipated from swallowing small amounts incidentally to normal handling.</td>
</tr>
</tbody>
</table>

### 12 Ecological information

| 12 | No ecological problems to be anticipated if properly handled and used. non soluble |

### 13 Disposal considerations

| 13.1 EU waste key | 20 01 26 |

### 14 Transport information

<table>
<thead>
<tr>
<th>14.1 Transport at land</th>
<th>ADR --- RID ---</th>
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<tbody>
<tr>
<td></td>
<td>UN Number --- Kemler Number ---</td>
</tr>
<tr>
<td></td>
<td>Packing Group ---</td>
</tr>
<tr>
<td></td>
<td>Proper shipping name ---</td>
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## Regulatory information

This product does not require classification according to the criteria of the EC.

### 15.1 UN number
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### 15.2 National regulations

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### 15.3 EU number
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### 15.4 Hazard symbols

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### 15.5 Hazard designation

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### 15.6 Risk phrases

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### 15.7 Safety phrases

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### 15.8 MAK value

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### 15.9 BVD classification (CH)

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### 15.10 VbF (D)

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### 15.11 Further information

None.

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## 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.