

EU Safety Data Sheet

IPS d.SIGN Powder



Date of issue / Reference

23.03.2005 hot

Replaces version of

31.01.2001

Date of printing

23.03.2005 **Sheet No. 1346**

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Company

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

1 Commercial product name and supplier

1.1 Commercial product name /
Designation

IPS d.SIGN Powder

**Dentin, Deep Dentin, Margin, Incisal,
Transparent, Gingiva, Effect, Add-on**

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

Ceramic powder made of
97-100 % SiO₂, BaO, Al₂O₃, CaO, CeO₂, Na₂O, K₂O, B₂O₃, MgO,
ZrO₂, P₂O₅, F, Li₂O, TiO₂, SrO, ZnO
0-3 % Pigments

2.2 Hazardous components

None.

2.3 Further information

None.

3 Hazards identification

Dust generation. Avoid breathing dust. 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.

5 Fire-fighting measures

5.1 Suitable extinguishing media

No specific requirements.

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not combustible

- 5.2 Extinguishing media to avoid None.
5.3 Further information None.

6 Accidental release measures Clean up mechanically.
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 in a dry place.
7.4 Place of storage
7.5 Fire- and explosion-protection None.
-

8 Exposure controls / Personal protection

- 8.1 Technical measures Provide adequate local ventilation.
8.2 Control of threshold limits Dust exposure limit: 1.5 mg/m³. Control airborne concentration
below the exposure guideline. Producer Industry recommends an
exposure limit of 1.5 mg/m³.
8.3 Personal protective equipment
8.3.1 Respiratory protection Avoid dust build-up.
In dusty atmospheres, use an approved dust respirator P2.
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 powder
9.2 Colour different
9.3 Odour odourless
9.4 Change of physical state Test method:

9.5 Density not known

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9.6 Vapour pressure

not applicable

9.7 Viscosity

not applicable

9.8 Solubility

Solubility in

non soluble

9.9 pH

not applicable

9.10 Flash point

not applicable

9.11 Ignition temperature

not applicable

9.12 Explosion limits

Lower:
Upper:
not applicable

9.13 Further information

None.

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.

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.

11.3 Further information

None.

12 Ecological information

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

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13 Disposal considerations

Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

13.1 EU waste key

08 02 99

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 ---

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.

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

15.2 National regulations

15.3 EU number

15.4 Hazard symbols

15.5 Hazard designation

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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.

16 Other information

Version: 3
Changes: 13.1

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.

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