

Material Safety Data Sheet

IPS InLine Powder / IPS InLine One Powder



Date of issue / Reference

20.07.2010

liprt

Replaces version of

28.09.2007

lise / v2

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14.02.2011

Sheet No. 1592

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Company

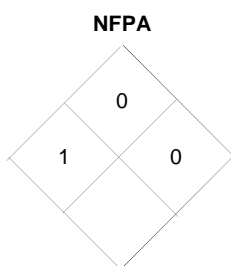
Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan
Fürstentum Liechtenstein

1 Commercial product name and supplier

1.1 Commercial product name /
Designation

IPS InLine Powder / IPS InLine One Powder

**Dentin, Deep Dentin, Occlusal Dentin, Incisal,
Transpa Incisal, Cervical Incisal, Transpa,
Gingiva, Intensiv Gingiva, Mamelon, Add-On
Margin, Denticisals**



HMIS	
H	1
F	0
R	0

1.2 Application / Use

Ceramic

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

Ceramic powder made of
> 98 % SiO₂, BaO, Al₂O₃, CaO, CeO₂, Na₂O, K₂O, B₂O₃, ZrO₂,
P₂O₅
< 2 % TiO₂, MgO and pigments

2.2 Hazardous components

None.

2.3 Further information

None.

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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 | not combustible
No specific requirements. |
| 5.2 | Extinguishing media to avoid | None. |
| 5.3 | Flash point | not applicable |
| 5.4 | Ignition temperature | Not applicable. |
| 5.5 | Explosion limits | Lower:
Upper:
not applicable |
| 5.6 | Further information | None. |

Test method:

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. |
| 7.2 | Industrial hygiene | Usual hygienic measures for dental practice. |
| 7.3 | Storage | Store in a dry place. |
| 7.4 | Place of storage | No specific requirements. |
| 7.5 | Fire- and explosion-protection | Not required. |

8 Exposure controls / Personal protection

- | | | |
|-----|-------------------|-------------------------------------|
| 8.1 | Exposure controls | Provide adequate local ventilation. |
|-----|-------------------|-------------------------------------|

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8.2 Exposure limit values

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 Occupational exposure controls

8.3.1 Respiratory protection

In dusty atmospheres, use an approved dust respirator P2. Avoid dust build-up.

8.3.2 Hand protection

Not required.

8.3.3 Eye protection

Safety goggles.

8.3.4 Other

None.

8.4 Environmental exposure controls

Not relevant.

9 Physical and chemical properties

9.1 Appearance

powder

9.2 Colour

various

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

9.8 Solubility

Solubility in water

non soluble

9.9 pH

Not applicable.

9.10 Further information

Part. coeff. n-octanol/water

Evaporat. rate

None.

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10 Stability and reactivity

10.1	Thermal decomposition	None.
10.2	Hazardous decomposition products	None.
10.3	Conditions / materials to avoid	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

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

13 Disposal considerations

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

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			

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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.

