

EU Safety Data Sheet

IPS Empress Esthetic Veneer



Date of issue / Reference

28.04.2005 hot

Replaces version of

14.07.2004

Date of printing

28.04.2005 **Sheet No. 1558**

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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 Empress Esthetic Veneer |
| 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:
> 55 % SiO ₂
Other components:
Al ₂ O ₃ , K ₂ O, Na ₂ O, CaO, B ₂ O ₃ , TiO ₂ , CeO ₂ and 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 | Not required since not combustible.
not combustible |
| 5.2 | Extinguishing media to avoid | None. |
| 5.3 | Further information | None. |

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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 Not required.
-

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 In dusty atmospheres, use an approved dust respirator P2.
Respiratory Protection. Avoid inhalation of dust while grinding.
Avoid dust build-up.
- 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
- 9.6 Vapour pressure not applicable
- 9.7 Viscosity not applicable

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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

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

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		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	
	Passenger airplane	Packing Group	
		Packing Instructions	
	Cargo Airplane	max.	
		Packing Instructions	
		max.	
14.4	Further information	Product is not classified for any mode of transportation.	

15 Regulatory information

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

15.1 UN number

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: 2

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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