

EU Safety Data Sheet

IPS Empress Esthetic Ingots



Date of issue / Reference

30.03.2005 hot

Replaces version of

14.07.2004

Date of printing

30.03.2005 **Sheet No. 1560**

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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 Ingots**
- 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 ingots made of:
> 98 % SiO₂, BaO, Al₂O₃, CaO, CeO₂, Na₂O, K₂O, B₂O₃
< 2 % TiO₂ and pigments
- 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 No specific requirements.
- 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.
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 Do not storage at temperatures greater than 25 °C.
- 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 Respiratory Protection. Avoid inhalation of dust while grinding. 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 Ingot
- 9.2 Colour white
- 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

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		---		
	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

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

Changes: 16

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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