

EU Safety Data Sheet

IPS e.max ZirCAD



Date of issue / Reference 11.08.2005 hot

Replaces version of

Date of printing 17.10.2005 **Sheet No. 1604**

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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 e.max ZirCAD**
- 1.2 Application / Use Ceramic - CAD/CAM Technology
- 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 blocks made of:
> 87 % ZrO₂, Y₂O₃, HfO₂, Al₂O₃
- 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 Grinding dust:
Flush eyes with plenty of water; mechanical effects only.
- 4.2 Skin contact No specific requirements.
- 4.3 Ingestion No hazard anticipated from ingestion.
- 4.4 Inhalation Grinding dust:
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

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

Grinding dust: 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.

8.3.2 Hand protection

Not required.

8.3.3 Eye protection

Eye protection should not be necessary.

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

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/EEC.

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: 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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91/155/EEC