

# EU Safety Data Sheet

IPS e.max CAD



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Replaces version of	28.09.2007	lise / v2		
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Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein

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## 1 Commercial product name and supplier

1.1 Commercial product name / Designation **IPS e.max CAD**

1.2 Application / Use Ceramic - CAD/CAM Technology

1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein  
msds@ivoclarvivadent.com

Supplier

1.4 TOX emergency number

Official Emergency-Call: +423 / 235 33 13  
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

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## 2 Hazards identification

Grinding dust (see 8.3.1).

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## 3 Composition

3.1 Chemical characterization Ceramic blocks made of:  
> 57 % SiO<sub>2</sub>, Li<sub>2</sub>O, K<sub>2</sub>O, P<sub>2</sub>O<sub>5</sub>, ZrO<sub>2</sub>, ZnO, Al<sub>2</sub>O<sub>3</sub>, MgO and pigments

3.2 Hazardous components None.

3.3 Further information None.

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## 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.

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## 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.

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## 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 No specific requirements.
- 7.5 Fire- and explosion-protection None.

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## 8 Exposure controls / Personal protection

- 8.1 Exposure controls Provide adequate local ventilation.
  - 8.2 Exposure limit values Grinding dust: Producer Industry recommends an exposure limit of  
1.5 mg/m<sup>3</sup>.
  - 8.3 Occupational exposure controls
    - 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.
  - 8.4 Environmental exposure controls
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## 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	
9.8 Solubility		
Solubility in water	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		
Part. coeff. n-octanol/water		
Evaporat. rate	None.	

## 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.

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## 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.
- 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 | --- |      |     |
| 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 UN number ---

15.2 National regulations

15.3 EINECS/ELINCS number

15.4 Hazard symbols

15.5 Hazard designation

15.6 Risk phrases

15.7 Safety phrases

15.8 AGW value

15.9 BVD classification (CH)

15.10 VbF (D)

15.11 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.*