

EU Safety Data Sheet

IPS e.max CAD Crystall./Glaze Liquid



Date of issue / Reference	28.09.2007	lise / Version 2		
Replaces version of	26.06.2007	lise		
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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 e.max CAD Crystall./Glaze Liquid
1.2	Application / Use	Ceramic
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 35 35 or 373 40 40 Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

2 Hazards identification

None, if used in accordance to instructions.

3 Composition

3.1	Chemical characterization	Butanediol (CAS No. 107-88-0)
3.2	Hazardous components	None.
3.3	Further information	None.

4 First aid measures

4.1	Eye contact	Flush eyes with plenty of water (10-15 min.). Call a physician.
4.2	Skin contact	Wash thoroughly with soap and water.
4.3	Ingestion	After ingestion call a physician immediately and show this safety data sheet.
4.4	Inhalation	Remove to fresh air. If respiratory irritation is experienced, call a physician.
4.5	Further information	Remove contaminated clothing.

5 Fire-fighting measures

5.1	Suitable extinguishing media	Water fog, carbon dioxide, foam, dry chemicals.
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5.2 Extinguishing media to avoid Do not use direct water stream.

5.3 Further information

6 Accidental release measures
Clean up with absorbent material such as sawdust, diatomaceous earth or universal absorbents.
Do not allow to flow off into the drains or waters.
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 Avoid eye and skin contact.
Usual hygienic measures for dental practice.
When using, do not eat, drink or smoke.

7.3 Storage Keep containers tightly closed.
Store at 12-28 °C / 54-82 °F.

7.4 Place of storage Store in a dry place.

7.5 Fire- and explosion-protection Not required.

8 Exposure controls / Personal protection

8.1 Exposure controls Control airborne concentration below the exposure guideline.

8.2 Exposure limit values

8.3 Occupational exposure controls

8.3.1 Respiratory protection Not required.

8.3.2 Hand protection Gloves.

8.3.3 Eye protection Safety goggles.

8.3.4 Other Eye wash fountain should be located in immediate work area.

8.4 Environmental exposure controls

9 Physical and chemical properties

9.1 Appearance liquid

9.2 Colour transparent, colourless

9.3 Odour practically odourless

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9.4	Change of physical state		Test method:
	Melting point	ca. - 13 °C	
	Boiling point	> 190 °C	
9.5	Density	1.006 g/cm ³ (25°C)	
9.6	Vapour pressure		
		0.1 mbar (20°C)	
9.7	Viscosity	21 mPa s	
9.8	Solubility		
	Solubility in water		
		soluble	
9.9	pH	ca. 7	
9.10	Flash point	111 °C	
9.11	Ignition temperature	410 °C	
9.12	Explosion limits	Lower: 3.2 Vol% Upper: 53 Vol%	
9.13	Further information		
	Part. coeff. n-octanol/water		
	Evaporat. rate		
		None.	

10 Stability and reactivity

10.1	Thermal decomposition	None, if used in accordance to instructions.
10.2	Hazardous decomposition products	None under normal conditions of storage and use.
10.3	Conditions / materials to avoid	None, if used in accordance to instructions.
10.4	Further information	None.

11 Toxicological information

11.1	Acute toxicity	
11.2	Subacute / Chronic toxicity	Inhalation: may cause dizziness, headache and nausea. Excessive exposure may cause eye, skin and respiratory irritation.
11.3	Further information	Excessive exposure may cause eye and respiratory irritation.

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12 Ecological information

- 12.1 Ecotoxicity
- 12.2 Mobility
- 12.3 Persistence and degradability
- 12.4 Bioaccumulative potential
- 12.5 Further information No ecological problems to be anticipated if properly handled and used.

13 Disposal considerations

- 13 Disposal considerations Take to a special waste incineration plant, in line with local regulations.
- 13.1 EU waste key 18 01 07

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
- 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.

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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 requires classification according to the criteria of the "Gefahrstoffverordnung".

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.