IPS e.max Crystall./Glaze Liquid



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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 /	IPS e.max Crystall./Glaze Liquid
	Designation	

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 Butanediol

2.2 Hazardous components None.

2.3 Further information None.

3 Hazards identification 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 water.

4.3 Ingestion No hazards anticipated from swallowing small amounts incidentally

to normal handling.

4.4 Inhalation Take into fresh air.

4.5 Further information Remove contaminated clothing.

5 Fire-fighting measures

5.1 Suitable extinguishing media Water fog, carbon dioxide, foam, dry chemicals.

5.2 Extinguishing media to avoid Do not use direct water stream.

5.3 Further information Cool containers in the vicinity of the blaze using a water spray.

Exposed to the heat of a fire the product may decompose, releasing

toxic fumes.

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Only adequately trained personnel should handle this product.



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Handling

7.1

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6	Accidental release measures	Dispose of according to local and national regulations.
7	Handling and storage	

7.2 Industrial hygiene Avoid eye and skin contact.

Usual hygienic measures are necessary.

7.3 Storage Store at 12-28 °C / 54-82 °F.

7.4 Place of storage Store containers tightly closed in a well ventilated area.

7.5 Fire- and explosion-protection Not required.

8 Exposure controls / Personal protection

8.1 Technical measures Ensure adequate venting.

8.2 Control of threshold limits None established.

8.3 Personal protective equipment

8.3.1 Respiratory protection Do not breathe vapour.

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.

9 Physical and chemical properties

9.1 Appearance Liquid

9.2 Colour transparent colourless9.3 Odour practically odourless

9.4 Change of physical state Test method:

Boiling point > 200 °C

9.5 Density $> 1.005 \text{ g/cm}^3 (20^{\circ}\text{C})$

9.6 Vapour pressure

0.06 mbar (20°C)

9.7 Viscosity

not known

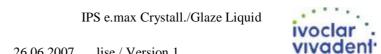
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Date of issue / Reference 26.06.2007 lise / Version 1 Replaces version of Date of printing 26.06.2007 Page 3 of 5 Sheet No. 1695 9.8 Solubility water soluble 9.9 pH not determined 9.10 Flash point > 100 °C > 390 °C 9.11 Ignition temperature 9.12 Explosion limits > 1.9 Vol% Lower: Upper: 9.13 Further information 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. Combustion products include: Carbon monoxide and carbon dioxide 10.3 Hazardous reactions With strong oxidisers. Product is hygroscopic. 10.4 Further information 11 **Toxicological information** Oral LD50 for rats: 18610 mg/kg 11.1 Acute toxicity Subacute / Chronic toxicity None, if used in accordance to instructions. 11.3 Further information Excessive exposure may cause eye and respiratory irritation. 12 No ecological problems to be anticipated if properly handled and **Ecological information** used. 13 **Disposal considerations** Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority. EU waste key 18 01 07 14 **Transport information** 14.1 **ADR RID** Transport at land

UN Number

Kemler Number



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	or priming			. 10>0		1 4 90 1 01 0
		Packing Gro Proper shipp	_			
14.2	Transport at sea	ADNR			IMDG	
		UN Number				
		EMS			MFAG	
		Packing Gro				
		Proper shipp	ing name			
14.3	Air transport	ICAO / IATA	A-DGR			
		UN Number				
		Proper shipp	ing name			
		Subsidiary R	isk			
		Labels				
		Packing Gro	up			
	Passenger airplane	Packing Inst	ructions			
		max.				
	Cargo Airplane	Packing Instr	ructions			
		max.				
14.4	Further information	Product is no	ot classified	as a dan	gerous good fo	or transport.
15	Regulatory information	This product		quire cla	ssification acc	ording to the
15.1	UN number					
15.2	National regulations					
	Ç					
15.3	EU number	203-529-7				
15.4	Hazard symbols					
15.5	Hazard designation					
13.3	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					

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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', © ASSiST Applied Software Solutions in Science and Technology AG, Weiherweg 3, CH-4104 Oberwil, Switzerland

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