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 Add-on 770°C / 1418°F**
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 powder made of 99 % SiO_2, BaO, Al_2O_3, CaO, CeO_2, Na_2O, K_2O, B_2O_3, Li_2O, F, TiO_2, Pigmente
2.2	Hazardous components	None.
2.3	Further information	None.

3 Hazards identification

Dust generation. Avoid breathing dust. 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	Wash thoroughly with soap and water.
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.

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	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	Avoid dust build-up. 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	powder	
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	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	---

		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.

16 Other information

Version: 2

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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