Ma	terial Safety Data Sheet	IPS e.max Press			ivoclar .		
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Comj		Ivoclar Vivad	lent AG, Bendererstr	asse 2, Fl			
<u></u>		Principality of	f Liechtenstein				
1	Commercial product name and sup	plier					
ы	Commercial product name / Designation	IPS e.ma	x Press				
		NFPA					
				HM	2		
		0	40. – U	F	0		
		2	0	R	0		
				С			
1.2	Application / Use	Press ceramic ingot					
1.3	Producer	Ivoclar Vivadent AG, Bendererstrasse 2, 9494 Schaan Principality of Liechtenstein (FL)					
1.4	Supplier	Ivoclar Vivadent, Inc. 175 Pineview Drive, Amherst NY 14228, USA 2785 Skymark Ave., Unit 1 Mississagua, ON L4W4Y3, Canada MSDS prepared by Andejeet Gulati. Tel. No. 716 691-0010					
1.5	24 Hour Emergency Assistance		Call USA- Infotrac: 1 Call Canada - Canute				
	General MSDS Assistance	US: 1-800-533-6825 Canada: 1-800-263-8182					
2	Composition						
2.1	Chemical characterization		ts made of: >57% Si La2O3 and pigmen		), K2O, P2O5, ZrO2, ZnO.		
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	No specific requirements.					
1.2	Skin contact	No specific requirements.					
4.3	Ingestion	No specific requirements.					

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4.4	Inhalation	No specific re		1 4 2 6 1 1	
4.5	Further information	None.			
5	Fire-fighting measures				
5.1	Suitable extinguishing media	No specific re Not combusti			
5.2	Extinguishing media to avoid	None.			
5.3	Flash point			Test method:	
		not applicable	e		
5.4	Ignition temperature				
5.5	Explosion limits	not applicable	e		
5.5	Explosion mints	Upper:			
		not applicable	e		
5.6	Further information	None.			
6	Accidental release measures	Clean up mee Dispose of ac	chanically. cording to local and nationa	al regulations.	
7	Handling and storage				
7.1	Handling		ely trained personnel should each of children.	d handle this product.	
7.2	Industrial hygiene		c measures for dental pract do not eat, drink or smoke.	ice.	
7.3	Storage	Store in a dry	place.		
7.4	Place of storage				
7.5	Fire- and explosion-protection	None.			
8	Exposure controls / Personal protec	tion			
8.1	Technical measures	Provide adequ	ate local ventilation.		
8.2	Control of threshold limits	None establis	hed.		
0.2	Personal protective equipment				
	i ersonar protective equipment				
8.3 8.3.1	Respiratory protection		ng dust. rotection. Avoid inhalation spheres, use an approved du		

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8.3.3	3 Eye protection	Eye protectio	n should not be necessary.		
8.3.4	1 Other	None.			
9	Physical and chemical properties				
9.1	Appearance	Ingot			
9.2	Colour	tooth shaded			
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	рН				
		not applicable			
9.10	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 and test i	s not hazardous according to l		

11.1 Acute toxicity

This product is not hazardous according to EEC criteria.

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11.2	Subacute / Chronic toxicity	No adverse effects anticipated by this route of e proper industrial handling.				osure incidental to	
11.3	Further information	None.					
12	Ecological information	No ecologica used. non soluble	ticipated if properl	y handled and			
13	Disposal considerations	Take to an approved landfill or a waste inciner conditions approved by the local authority.				n plant, under	
14	Transport information						
14.1	Transport at land	ADR			RID		
		UN Number Packing Grou			Kemler Numbe	r	
		Proper shippi	ng name				
14.2	Transport at sea	ADNR			IMDG	541-(	
		UN Number	ويتجر				
		EMS	- <b>-</b>		MFAG		
		Packing Grou Proper shippi	A 11 1 1				
14.3	Air transport	ICAO / IATA	-DGR				
	the standard set	UN Number	, bow				
		Proper shippi	ng name				
		Subsidiary Ri	sk				
		Labels					
		Packing Grou					
	Passenger airplane	Packing Instr	uctions				
		max.		7-4			
	Cargo Airplane	Packing Instr	uctions				
		max.					
14.4	Further information	Product is not	classified	as a dan	gerous good for tra	ansport.	
15	Regulatory information	The product is a medical device according to the 93/42/EEC. This product is classified as a medical device un Canadian regulations and has been reviewed by Drug Administration and Health Canada.			edical device under en reviewed by the	US and US Food and	
15.1	National regulations	This product i		quire ora	someanon as Dall	gerous Ooods.	
2.1	racional regulations						

## 15.1 National regulations

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15.2	NFPA Storage				
15.3	Further information	None.			
16	Other information	Version: 2 Changes: 1.5			

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.

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Com	pany		lent AG, Bendererstrasse 2, f Liechtenstein	FL - 9494 Schaan			
r	Commercial product name and s	supplier					
1.1	Commercial product name / Designation	IPS e.ma	x Ceram				
		Veneering materials: Dentin, Deep Dentin, Occlusal Dentin, Margin, Incisal Edge, Transpa Incisal, Special Incisal, Transpa, Cervical Transpa, Opal Effect, Mamelon Add on materials: Dentin, Incisal, Margin ZirLiner					
1.2	Application / Use	Ceramic					
1.3	Producer	lvoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan Fürstentum Liechtenstein					
1.4	Supplier						
1.5	TOX emergency number		all: +423 / 235 35 35 or 373 lent AG, FL-9494 Schaan, L				
2	Composition						
2.1	Chemical characterization		der made of CaO, Al2O3, CeO2, Na2O, SrO, TiO2 and pigments	K2O, B2O3, ZnO, F. Li2O.			
2,2	Hazardous components	None,					
2,3	Further information	None.					
3	Hazards identification	Dust generati	on. Avoid breathing dust. G	rinding dust (see 8.3,1).			
4	First aid measures						
4.1	Eye contact	Flush eyes wi	th plenty of water; mechanic	cal effects only.			
4.2	Skin contact	No specific re	quirements.				
4.3	Ingestion	No specific re	quirements.				
4.4	Inhalation	Take into free	h air.				
4.5	Further information	None.					

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	aces version of of printing	17.10.2005 Sheet No. 1608	Page 2 of			
	0.00.00.00.00					
5	Fire-fighting measures					
5.1	Suitable extinguishing media	not combustible No specific requirements.				
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 regulation					
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	Not required.	Not required.			
8	Exposure controls / Personal pro	tection				
8 8.1	Exposure controls / Personal pro Technical measures	tection Provide adequate local ventilation.				
			nends an exposure limit of			
8.1	Technical measures	Provide adequate local ventilation. Grinding dust: Producer Industry recomm	nends an exposure limit of			
8.1 8.2	Technical measures Control of threshold limits	Provide adequate local ventilation. Grinding dust: Producer Industry recomm				
8.1 8.2 8.3 8.3.1	Technical measures Control of threshold limits Personal protective equipment	Provide adequate local ventilation. Grinding dust: Producer Industry recomm 1.5 mg/m3. In dusty atmospheres, use an approved du				
<ul> <li>8.1</li> <li>8.2</li> <li>8.3</li> <li>8.3.1</li> <li>8.3.2</li> </ul>	Technical measures Control of threshold limits Personal protective equipment Respiratory protection	Provide adequate local ventilation. Grinding dust: Producer Industry recomm 1.5 mg/m3. In dusty atmospheres, use an approved du Avoid dust build-up.				
<ul> <li>8.1</li> <li>8.2</li> <li>8.3</li> <li>8.3.1</li> <li>8.3.2</li> <li>8.3.3</li> </ul>	Technical measures Control of threshold limits Personal protective equipment Respiratory protection Hand protection	Provide adequate local ventilation. Grinding dust: Producer Industry recomm 1.5 mg/m3. In dusty atmospheres, use an approved du Avoid dust build-up. Not required.				
<ul> <li>8.1</li> <li>8.2</li> <li>8.3</li> <li>8.3.1</li> <li>8.3.2</li> <li>8.3.3</li> <li>8.3.4</li> </ul>	Technical measures Control of threshold limits Personal protective equipment Respiratory protection Hand protection Eye protection Other	Provide adequate local ventilation. Grinding dust: Producer Industry recomm 1.5 mg/m3. In dusty atmospheres, use an approved du Avoid dust build-up. Not required. Safety goggles.				
<ul> <li>8.1</li> <li>8.2</li> <li>8.3</li> <li>8.3.1</li> <li>8.3.2</li> <li>8.3.3</li> <li>8.3.4</li> <li>9</li> </ul>	Technical measures Control of threshold limits Personal protective equipment Respiratory protection Hand protection Eye protection Other Physical and chemical properties	Provide adequate local ventilation. Grinding dust: Producer Industry recomm 1.5 mg/m3. In dusty atmospheres, use an approved du Avoid dust build-up. Not required. Safety goggles. None.				
<ul> <li>8.1</li> <li>8.2</li> <li>8.3</li> <li>8.3.1</li> <li>8.3.2</li> <li>8.3.3</li> <li>8.3.4</li> <li>9</li> <li>9.1</li> </ul>	Technical measures Control of threshold limits Personal protective equipment Respiratory protection Hand protection Eye protection Other	Provide adequate local ventilation. Grinding dust: Producer Industry recomm 1.5 mg/m3. In dusty atmospheres, use an approved du Avoid dust build-up. Not required. Safety goggles.				
8.1 8.2 8.3 8.3.1 8.3.2 8.3.3 8.3.4 9 9.1 9.2	Technical measures Control of threshold limits Personal protective equipment Respiratory protection Hand protection Eye protection Other Physical and chemical properties Appearance	Provide adequate local ventilation. Grinding dust: Producer Industry recomm 1.5 mg/m3. In dusty atmospheres, use an approved du Avoid dust build-up. Not required. Safety goggles. None.				

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9.5	Density	Control (			
	to the second	not known			
9.6	Vapour pressure	a contraction of the			
0.7	Viscositi	not applicable			
9.7	Viscosity	not applicable			
9.8	Solubility	and of Freedom			
	Solubility in				
		non soluble			
9.9	pH	not applicable			
	Flash point	not appreable			
	i last 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.			
10.2	Hazardous reactions				
		None.			
10.4	Further information	None.			
11	Toxicological information				
11.1	Acute toxicity	This product i	s not hazardous according t	o EEC criteria.	
11.2	Subacute / Chronic toxicity	No adverse ef proper industr	fects anticipated by this rout ial handling.	te of exposure incidental to	
11.3	Further information	None.			
12	Ecological information	No ecological used. non soluble	problems to be anticipated	if properly handled and	

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13	Disposal considerations	Take to an ap conditions ap			waste incineration authority.	n plant, under
13.1	EU waste key	08 02 99				
14	Transport information				-	
14.1	Transport at land	ADR			RID	
		UN Number Packing Grou Proper shippi	· · · · · · · · · · · · · · · · · · ·	-	Kemler Number	
14.2	Transport at sea	ADNR			IMDG	
		UN Number EMS Packing Grou Proper shippi			MFAG	****
14.3	Air transport	ICAO / IATA UN Number Proper shippi		111		
		Subsidiary Ri Labels				
	Passenger airplane	Packing Grou Packing Instr		 		
	Cargo Airplane	max. Packing Instr	uctions	نته بب		
14.4	Further information	max. Product is not	t classified 1	 for any n	node of transportat	tion.
15	Regulatory information	The product i 93/42/EEC.	s a medical	device a	ecording to the E0	C-directive
15.1	UN number					
15.2	National regulations					
15.3	EU number					
15.4	Hazard symbols					
15.5	Hazard designation					

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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: 1			

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