

Safety data sheet according to Regulation (EC) No 1907/2006

REF 062 Rev 002 Printed on: 16.05.2019

1.	Description of the substance or mixture, and the company						
1.1	Trade name:	priti[®]multidisc ZrO ₂ / priti[®]multibloc ZrO ₂ Opaque, Translucent, Extra Translucent and High Translucent discs and blocks					
1.2	Description:	Blanks made prostheses	from ziro	conium dic	onium dioxide ceramic for use in the manufacture of dental		
1.3	Manufacturer/supplier:	pritidenta [®] G Meisenweg 3 70771 Leinfe Germany Email info@p www.pritiden Tel. +49 (0) 7	7 Iden-Ech pritidenta ta.com	.com			
1.4	Emergency information:				ourg poison con 24-hour emerge	trol center]: ncy information s	ervice)
2.	Composition/information on	ingredients					
	Chem. characterization, description:						
	<u>Composition</u>	Molecu	lar formu	<u>ıla</u>	CAS no.	EINECS no.	Weight percent.
	Zirconium dioxide (+hafnium oxide +yttrium oxide Hafnium oxide) ZrO ₂ /H HfO ₂	fO2/Y2O3		1314-23-4 12055-23-1	215-222-7 235-013-2	> 99 < 3
	Yttrium oxide	Y_2O_3	Y ₂ O ₃		1314-36-9	215-233-5	4.5 – 10.5
	Aluminum oxide	Al ₂ O ₃			1344-28-1	215-691-6	< 0.4
	Iron oxide	Fe ₂ O ₃			1305-37-1	215-168-2	< 0.35
	Erbium oxide	Er ₂ O ₃			12-061-4	235-045-7	< 0.65
	Cobalt oxide	C03O4			1308-06-1	215-157-2	< 0.009
	Other oxides	-			-	-	< 0.05
3.	Hazards identification						
3.1	Hazard statements for humans	and the enviro	nment:	N/A			
3.2	Hazardous/non-hazardous preparation:			N/A			
3.3	Additional information:			Do not inhale dust.			
3.4	Other hazards based on the material:			None.			
4.	First aid measures						
4.1	General information:		No spe	cial measu	res required.		
4.2			Seek fre	fresh air. If complaints persist, seek advice from a doctor.			
4.3	After skin contact: If the		If the gr	he grinding dust comes into contact with skin, wash thoroughly with rm water and soap.			
4.4				product dust gets into the eye, rinse the eye with a large amount of ool and clean water. If irritation persists, consult a doctor.			
4.4	After swallowing: Rinse		Rinse o	nse out the mouth; if complaints persist, seek advice from a doctor.			



5.	Fire-fighting measures				
5.1	Suitable extinguishing media:	N/A			
5.2	Unsuitable extinguishing media:	N/A			
5.3	Special hazards:	N/A			
5.4	Special protective equipment:	No special measures required.			
6.	Accidental release measures				
6.1	Personal protection measures:	Object extraction, face mask, protective clothing.			
6.2	Environmental protection measures:	Substance must not come into contact with surface water,			
6.3	Procedure for cleaning up and collecting:	ground water or sewage system. Collect mechanically or use vacuum.			
6.4	Additional information:	No special measures are required for the material in its			
		compact form.			
7.	Handling and storage				
7.1	•	ned personnel as per instructions. It must be ensured that:			
		rom forming and being deposited.			
		isture (e.g. wet hands) is avoided.			
		n and suitable extraction is available.			
7.2	Storage: It must be ensured that				
	· · · · · · · · · · · · · · · · · · ·	e original packaging.			
		impacts or vibration.			
	Are not soiled.				
7.3	Use: See operating manual.				
8.	Exposure controls/personal protection				
8.1	Exposure limit values:	TRGS 900. Peak limit (4 mg/cm ³), respirable fraction (5 mg/cm ³)			
8.2	Limit and monitoring of the exposure:	Not known.			
	Limiting exposure in the workplace:	Suitable extraction/ventilation must be used in the workplace or on the equipment. Avoid contact with skin, mouth, eyes and clothing. Do not smoke, eat or drink while working.			
	Keep personal protective equipment away from food and drink.				
	Dust formation:	A respirator is recommended for grinding work.			
	Hand protection:	Wear protective gloves, wash your hands after work, use skin care products.			
	Eye protection:	Wear safety glasses for grinding work.			
	Body protection:	Wear lightweight protective clothing.			
9.	Physical and chemical properties				
9.1	Appearance:	Industrially manufactured solid, white/tooth color.			
9.2:	Physical state	Solid.			
9.3	Odor:	Odorless.			
9.4	Melting point:	Not applicable.			
9.5	Boiling point:	Not applicable.			
9.6	Flashpoint:	Not applicable.			
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9.7	Relative density:	< 2.98 g/cm ³ "white body" density (final density > 6.04 g/cm^3).		
9.8	Solubility:	Insoluble in water.		
9.9	Flammability:	Not flammable.		
9.10	Explosion risk:	No risk of explosion.		
10.	Stability and reactivity			
10.1	Conditions to avoid:	Not known.		
10.1	Materials to avoid:	Not known.		
10.2	Hazardous decomposition products:	No hazardous reactions known.		
10.5				
11.	Toxicological information			
11.1	Testing of toxicological effects			
	Yttrium oxide partially stabilized and fully stab potential, does not cause allergic reactions ar	pilized zirconium dioxide (3Y-TZP, 4Y-TZP and 5Y-FSZ) has no cell-toxic nd is biocompatible.		
11.2	Practical experience Breathing dust can cause respiratory tract irritation. Inflammation of the eye because of mechanical action (dust) is possible.			
12.	Ecological information			
12.1	Ecotoxicity:	When handled and used correctly, no ecological problems are to be expected.		
12.2	Mobility:	Not applicable.		
12.3	Persistence and degradability:	Not applicable.		
12.4	Bioaccumulative potential:	Not known.		
12.5	Other adverse effects:	Not known.		
13.	Disposal considerations			
13.1	Local and official regulations must be observe	ed when disposing of the product and any residual material.		
14.	Transport information			

	Information	Description
14.1	UN number:	Not documented.
14.2	Туре:	Not documented.
14.3	Concrete description of the goods:	Not documented.
14.4	Packing Group:	Not documented.
14.5	Marine Pollutant:	Not documented.
14.6	Other applicable information:	No special transport precautions.
14.7	Note:	Fragile product – sturdy packaging with soft padding.
4 5	Degulatory information	

15. Regulatory information

15.1 Labeling requirement:

There is no labeling requirement for the product under EU Directives.

16. Other information

This information is based on current knowledge and experience. This safety data sheet describes products in terms of safety requirements. The information does not represent a guarantee of product properties and does not give rise to a contractual legal relationship.

Although this information is correct based on the knowledge currently available to us and reflects the state of the product upon delivery, we do not provide any warranty, guarantee or equivalent, either explicitly or implicitly, for the accuracy, reliability and/or completeness of the information.

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