

Safety data sheet according to EC Directive 1907/2006

REF 062 Rev 004 Printed on: 02.01.2023

1.	Description of the substance	or mixture and the co	mpany		
1.1	Trade name:	priti[®]multidisc ZrO 2/ Opaque, Translucent, Translucent PLUS dis	Extra Transluce	z rO₂ ent, High Transluce	ent, Multi Translucent, Multi
1.2	Description:	Blanks made from zir	conium dioxide c	ceramic for use in t	he manufacture of dental
1.3	Manufacturer/supplier: Emergency information:	pritidenta [®] GmbH Meisenweg 37 70771 Leinfelden-Ec Germany E-Mail info@pritident www.pritidenta.com Telefon +49 (0) 711.3 Giftnotrufzentrale Fre	a.com 320656-0	noison control cent	⊐r].
1.4	Emergency miorination.	Telephone +49 (0) 76			
2.	Composition/information or	n ingredients			
C	Chem. Characterization, descript	ion:			
<u>c</u>	<u>Composition</u>	Molecular formulal	CAS no.	EINECS no.	Weight percent.
(•	'irconium dioxide +hafnium oxide+yttrium oxide) łafnium oxide	ZrO2/HfO2/Y2O3 HfO2	1314-23-4 12055-23-1	215-227-2 235-013-2	> 99 < 3
Y	'ttrium oxide	Y ₂ O ₃	1314-36-9	215-233-5	4,5 – 10,5
A	luminum oxide	Al ₂ O ₃	1344-28-1	215-691-6	< 0,4
li	ron oxide	Fe ₂ O ₃	1309-37-1	215-168-2	< 0,35
E	Frbium oxide	Er ₂ O ₃	12061-16-4	235-045-7	< 0,65
C	Cobalt oxide	Co ₃ O ₄	1308-06-1	215-157-2	< 0,009
C	Other oxides	-	-	-	< 0,05
3.	Hazards identification				
3.1	Hazard statements for human	s and the environment:	N/A		
3.2	Hazardous/non-hazardous pre	eparation:	N/A		
3.3	Additional information:		Do not inhale o	dust.	
3.4	Other hazards based on the n	naterial:	None.		
4.	First aid measures				
4.1	General information:	No spe	cial measures re	equired.	

4.2	After inhalation:	Seek fresh air. If complaints persist, seek advice from a doctor.
4.3	After skin contact:	If the grinding dust comes into contact with skin, wash thoroughly with
		warm water and soap.
4.4	After eye contact:	If product dust gets into the eye, rinse the eye with a large amount of cool and clean water. If irritation persists, consult a doctor.
4.5	After swallowing:	Rinse out the mouth; if complaints persist, seek advice from a doctor.

Safety data sheet $priti^{\ensuremath{\mathbb{R}}}$ multidisc ZrO_2 / $priti^{\ensuremath{\mathbb{R}}}$ multibloc ZrO_2

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5.	Fire-fighting mea	isures		
5.1	Suitable extinguish	ing media:	N/A	
5.2	Unsuitable extingu	ishing media:	N/A	
5.3	Special hazards:		N/A	
5.4	Special protective	equipment:	No special measures required.	
6.	Accidental releas	e measures		
6.1	Personal protection	n measures:	Object extraction, face mask, protective clothing.	
6.2	Environmental prot	tection measures:	Substance must not come into contact with surface water, ground water or sewage system.	
6.3	Procedure for clear	ning up and collecting:	Collect mechanically or use vacuum.	
6.4	Additional informat	ion:	No special measures are required for the material in its compact form.	
7.	Handling and storage			
7.1	Handling:	To be carried out by train	ned personnel as per instructions. It must be ensured that:	
	-	-	om forming and being deposited.	
		All contact with mois	ture (e.g. wet hands) is avoided.	
		Sufficient ventilation	and suitable extraction is available.	
7.2	Storage:			
	0	Are stored dry in the	original packaging.	
		 Are not exposed to in 		
		 Are not soiled. 		
7.3	Use:	See operating manual.		
8.	Exposure contro	Is/personal protection		
8.1	Exposure limit valu	ies:	TRGS 900. Peak limit (4 mg/cm ³),	
			respirable fraction (5 mg/cm ³)	
8.2	Limit and monitoring of the exposure: Limiting exposure in the workplace:		Not known. 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	
	Eye protection:		products. Wear safety glasses for grinding work.	
	Body protection:	micel anomatice	Wear lightweight protective clothing.	
9.	Physical and che	inical 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.	
9.7	Relative density:		< 2,98 g/cm ³ "white body" density (final density > 6,04 g/cm ³).	
Sofo	tv data sheet priti®multidisc		Page 2 of	

Safety data sheet priti®multidisc ZrO2	/ priti [®] multibloc ZrO ₂
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9.8	Solubility:	Insoluble in water.
9.9	Flammability	Not flammable.
9.10	Explosion risk:	No risk of explosion.
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10.	Stability and reactivity	
10.1	Conditions to avoid:	Not known.
10.2	Materials to avoid:	Not known.
10.3	Hazardous decomposition products:	No hazardous reactions known.
11.	Toxicological information	
11.1	Testing of toxicological effects Yttrium oxide partially stabilized and fully stal potential, does not cause allergic reactions a	pilized zirconium dioxide (3Y-TZP, 4Y-TZP and 5Y-TZP) 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.

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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