Material Safety Data Sheet

Elektra 10



27.09.2007 Date of issue / Reference lise / Version 3

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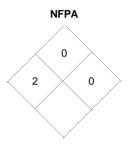
Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan

Principality of Liechtenstein

1 Commercial product name and supplier

1.1 Commercial product name / Designation

Elektra 10



HMIS				
н	2			
F	0			
R	0			
С				

1.2 Application / Use Crowns and bridges alloy

1.3 Producer Ivoclar Vivadent, Inc.

175 Pineview Drive, Amherst NY 14228, USA

Ivoclar Vivadent, Inc. 1.4 Supplier

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

Emergency-Call USA- Infotrac: 1-800-535-5053 1.5 24 Hour Emergency Assistance

Emergency-Call Canada - Canutec: 1-613-996-6666

US: 1-800-533-6825 General MSDS Assistance

Canada: 1-800-263-8182

2 Composition

2.1 Chemical characterization Dental alloy made of:

Au 10.0 % (CAS-Nr. 7440-57-5), Ag 54.0 % (7440-22-4), Pd 32.0 %

(7440-05-03), In 4.0 % (7440-74-6), < 1.0 % Re, Ru, Li

2.2 Hazardous components

Further information 2.3 None.

3 **Hazards identification** Avoid breathing of grinding dust and vapours.

Melted material may cause burns.

4 First aid measures

4.1 Eye contact Flush eyes with plenty of water. Call a physician if irritation persists.

4.2 Skin contact Melted material presents a special hazard of deep thermal burns. If

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	1 0		treat as any thermal burn.			
4.3	Ingestion	Call a physic	cian immediately.			
4.4	Inhalation	Remove to fr	esh air.			
4.5	Further information	None.				
5	Fire-fighting measures					
5.1	Suitable extinguishing media	Not required not combusti				
5.2	Extinguishing media to avoid	Do not use d	irect water stream.			
5.3	Flash point	not applicabl	e	Test method:		
5.4	Ignition temperature					
5.5	Explosion limits	not applicabl Lower: Upper: not applicabl				
5.6	Further information	None.				
6	Accidental release measures	Clean up me Clean and re				
7	Handling and storage					
7.1	Handling		tely trained personnel should hand reach of children.	dle this product.		
7.2	Industrial hygiene	Usual hygien	ic measures for dental practice.			
7.3	Storage	No specific r	equirements.			
7.4	Place of storage					
7.5	Fire- and explosion-protection	No specific r	equirements.			
8	Exposure controls / Personal protection					
8.1	Technical measures		uate local ventilation. Control air posure guideline.	borne concentration		
8.2	Control of threshold limits	Dust and var	oors: MAK 0.1 mg/m³			
8.3	Personal protective equipment					
8.3.1	Respiratory protection		es are present, use an approved his espirator (P3).	gh-efficiency		

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In dusty atmospheres, use an approved dust respirator P2.

8.3.2 Hand protection Gloves.

8.3.3 Eye protection Safety goggles.

8.3.4 Other Use only with adequate ventilation.

9 Physical and chemical properties

9.1 Appearance solid9.2 Colour white

9.3 Odour odourless

9.4 Change of physical state Test method:

Melting range Casting temperature

9.5 Density 11.2 g/cm³ (20°C)

9.6 Vapour pressure

not applicable

9.7 Viscosity

not applicable

9.8 Solubility

Solubility in water

non soluble

9.9 pH

not applicable

9.10 Further information Complies with ISO 8891

10 Stability and reactivity

10.1 Thermal decomposition None, if used in accordance to instructions.

10.2 Hazardous decomposition products None, if used in accordance to instructions.

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10.3	Hazardous reactions	None, if used	in accorda	nce to in	structions.	
10.4	Further information	None.				
11	Toxicological information					
11.1	Acute toxicity	Alloy: non-cy	totoxic, no	n-mutage	enic, non-irritant,	non-sensitizer
11.2	Subacute / Chronic toxicity	Fumes or dusts generated from cutting or grinding operations may cause respiratory irritation.				
11.3	Further information	None.				
12	Ecological information	No ecological problems to be anticipated if properly handled and used. nearly insoluble				
13	Disposal considerations	Recycling				
14 14.1	Transport information Transport at land	ADR			RID	
		UN Number Packing Grou Proper shippi	-		Kemler Number	r
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				
	Passenger airplane	Subsidiary Ri Labels Packing Grou Packing Instr	ıp	 		
	Cargo Airplane	max. Packing Instr	uctions			
14.4	Further information	max. Product is no	t classified	 as a dang	gerous good for tra	ansport.

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15	Regulatory information	The product is a medical device according to the EC-directive 93/42/EEC. This product is classified as a medical device under US and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada. This product does not require classification as Dangerous Goods.			
15.1	National regulations				
15.2	NFPA Storage				
15.3	Further information	None.			
16	Other information	Version: 3 Changes: 1.5	i		

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

91/155/EEC