Material Safety Data Sheet

Elektra



Date of issue / Reference 27.09.2007 lise / Version 3

Replaces version of 02.05.2001 hot

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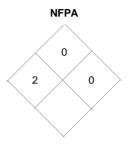
Company Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan

Principality of Liechtenstein

1 Commercial product name and supplier

1.1 Commercial product name / Designation

Elektra



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

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 Emergency-Call USA- Infotrac: 1-800-535-5053

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

General MSDS Assistance US: 1-800-533-6825 Canada: 1-800-263-8182

2 Composition

2.1 Chemical characterization Dental alloy made of :

Ag 58.3 % (CAS-Nr. 7440-22-4), Pd 25.0 % (7440-05-03), Cu 14.7

% (7440-50-8), In 2.0 % (7440-74-6), < 1.0 % Re, Ru, Li

2.2 Hazardous components

2.3 Further information 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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	T & C		treat as any thermal burn.			
4.3	Ingestion		ian immediately.			
4.4	Inhalation	Remove to fr	·			
4.5	Further information	None.	con un.			
	Turner information	Tvolic.				
5	Fire-fighting measures					
5.1	Suitable extinguishing media	Not required not combusti				
5.2	Extinguishing media to avoid	Do not use direct water stream.				
5.3	Flash point			Test method:		
0.0	Trush point	not applicabl	e			
5.4	Ignition temperature					
		not applicabl	e			
5.5	Explosion limits	Lower: Upper:				
		not applicabl	e			
5.6	Further information	None.				
6	Accidental release measures	Clean up med Clean and re				
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.				
7.3	Storage	No specific requirements.				
7.4	Place of storage					
7.5	Fire- and explosion-protection	No specific re	equirements.			
8	Exposure controls / Personal protec	tion				
8.1	Technical measures		uate local ventilation. Control posure guideline.	airborne concentration		
8.2	Control of threshold limits	Dust and vap	ors: MAK 0.1 mg/m³			
8.3	Personal protective equipment					
8.3.1	Respiratory protection	If metal fume	es are present, use an approved	high-efficiency		

particulate respirator (P3).

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	-	ospheres, use an approved di	ust respirator 12.		
8.3.2 Hand protection	Gloves.				
8.3.3 Eye protection	Safety goggle	es.			
8.3.4 Other	Use only with	Use only with adequate ventilation.			
9 Physical and chemical properties					
9.1 Appearance	solid				
9.2 Colour	white				
9.3 Odour	odourless				
9.4 Change of physical state			Test method:		
Melting range Casting temperature					
9.5 Density	10.4 g/cm³ (20)°C)			
9.6 Vapour pressure	1011 8/0111 (2)	, ()			
T. T					
	not applicable				
0.7 Vicesity					
9.7 Viscosity					
	not applicable				
9.8 Solubility	not approasie				
Solubility in water					
•	non soluble				
9.9 pH					
	not applicable				
9.10 Further information	Complies with	i 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	·
14.2	Transport at sea	ADNR			IMDG	
		UN Number EMS Packing Grou			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	ructions			
14.4	Further information	max. Product is no	t classified	 as a dan _i	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	;	

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