

Safety Data Sheet

according to the Commission Directive 1907 / 2006 EG, Article 31

SOLIDUR CoCr Art.960-0250 / 960-1000 / 961-1000

(Requirements of standards EN ISO 22674 for dental alloys type 2-4 EN ISO 9693)

1. Identification of the Substance/Preparation and of the Company/Undertaking

Trade name:	SOLIDUR CoCr
Article description:	Cobalt-Chrome Partial Denture Alloy
Use:	Creation of partial dentures
Producer:	YETI Dentalprodukte GmbH
Street:	Industriestraße 3
ZIP code / City:	D-78234 Engen
E-Mail:	sdb@yeti-dental.com
Information about substances:	Tel. +49 77 33 / 94 10 0 FAX +49 77 33 / 94 10 22
Emergency:	Tel. +49 77 33 / 94 10 0 (Mo. – Th. 8h – 16h30, Fr. 8h – 14h)

2. Composition / Information on Ingredients:

Chemical characteristics:

<u>Ingredients:</u>	Cobalt	Silicium	Manganese	Chromium	other	Molybdenum
CAS-Nr.	7440-48-4	7440-21-3	7439-96-5	7440-47-3		7439-98-7
	63%	0,7%	0,6%	29,4%	0,35	5,95%

3. Hazards Identifications:

Oxide (Silicium, Molybdenum, Wolfram, Cobalt) as well as Manganese compounds (Cobalt and Chromic Oxide) which are hazardous to respiratory tract builds while abrading. Avoid inhalation of abrasive dust. Air exhaust system advisable. Pay attention to prescribed dust limitations (6mg/m³). Pay attention to limits for Manganese, Chromate and Cobalt oxide.



Danger

4. First-Aid Measures:

Skin contact:	No hazards
Eye contact:	No hazards
Inhalation:	No hazards
	Usual first aid measures while treatment of wounds, burnings, irritations and so on.

5. Fire-Fighting Measures:

Suitable extinguishing media:	Not applicable
Non-suitable extinguishing media:	Not applicable
Other hazards:	Not applicable
Protective equipment:	Not applicable

The material is not explosive and not flammable in the atmosphere.

6. Accidental Release Measures:

Personal precautions:	Not applicable
Environmental precautions:	Not applicable
Methods for cleaning up:	Avoid the formation of dust

7. Handling and Storage:

<u>Handling</u>	
Indications for a safe handling	Avoid the dust. Vacuum the dust it and carry protective mask.
<u>Storage</u>	
Requirements for storage	Store in dry rooms and closed boxes. Protect goods against movement.
Indications for clustering:	Not applicable
Further indications for storage conditions:	No indications

8. Exposure Controls / Personal Protection Equipment:

Engineering measures	Good airtion of working areas. Frequently vacuum of abrading dust while working	
Personal protection equipment:	During abrading:	
Hand protection:	Wear protective gloves	
Eye protection:	Wear goggles	
Respiratory protection:	Wear respirator mask	
Body protection:	Wear protective working clothes	
General precautions for hygiene:	Do not smoke, eat or drink during work	
Chrom-VI-Compound:	CAS Nr.1376519-0	Limit value: 0,2mg/m ³ (TSC)
Cobalt Oxide		Limit value: 0,1mg/m ³ (TSC)
Manganese Oxide	CAS Nr.1317-35-7	Limit value. 1 mg/m ³
Fine dust		Limit value: 6 mg/m ³

9. Physical and Chemical Properties:

Appearance:	solid		
metal colour, silver colour			
neutral			
Colour:			
Smell:	<u>Value</u>	<u>Unit</u>	<u>Method</u>
Melting point:	1360°C – 1410°C		
Boiling point:			
Flashpoint:			
Ignition temperature:			
Lower explosion limit:			
Upper explosion limit:			
Steam pressure:			
Density:	8	g/cm ³	
Solubility in water:	Not soluble		

10. Stability and Reactivity:

Note Avoid the compound with acids and bases

11. Toxicological Information:

- Acute toxicity relevant LD/ LC 50-Values

Components

- Skin irritation

Components

- Eyes irritation

Components

The possibility of irritation of eyes and respiratory tract while contact with dust.

- Sensitization:

12. Ecological Information:

- Toxicological effects

Components

Type

Value

Species

- Further ecological hints: No complete natural decomposition. Take notice of TA air limit values while using of exhaust system.

13. Disposal Considerations:

Product: Mustn't be disposed of together with domestic waste.
Must be disposed with scrap metal
31217 NE Dusts filter
35315 NE Recycling materials
18711 Paper filter
There is an obligation to produce proof

14. Transport information:

Belongs not to dangerous goods in terms of forwarding regulations.

15. Regulatory Information:

Specifications according to European Community guidelines

Hazard symbols	Not applicable
Code letters	Not applicable
Hazard components	
R-Phrases	Not applicable Not applicable
S-Phrases	Not applicable Not applicable
National Regulations:	
Water hazard class	Not applicable

16. Other Information:

No other information

The statements of this Safety Data Sheet correlate to our actual status of knowledge and comply with the national and European regulations. The other working conditions of the user are not subject to or control and knowledge. The product mustn't be used for any other purpose than indicated in Part 1 without written permission. The user is responsible for respecting all necessary legal regulations. The safety data sheet serves as description of products in regard to necessary safety measures. The indications do not have the meaning of guaranties on properties und do not establish a contractual legal relationship.