

**1. Identification of the substance/Preparation and of the Company/Undertaking**

Product name: METAPLUS® CC  
Application: cobalt-chromium alloy for porcelain

Manufacturer: AZ DENTAL GMBH  
Siemensstrasse 5  
DE-78467 Konstanz  
+49 7531 50024  
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**2. Composition/Information on Ingredients**

Composition:	Cobalt	61 %
	Chromium	28 %
	Tungsten	8,5 %
	Silicium	1,65 %
	Mangan	0,25 %
	Iron	< 0,5 %
	Carbon	< 0,1 %

Hazardous ingredients: None

**3. Hazards Identification**

None if the product is used according to instructions.

**4. First Aid Measures**

No special measures required.

**5. Fire-fighting Measures**

Not applicable, as the product is neither flammable nor combustible.

**6. Accidental Release Measures**

No special measures required.

**7. Handling and Storage**

Handling: (Instructions on safe handling)  
Provide good ventilation/suction at the workplace.

Storage: (Requirements for storerooms/containers)  
No special safety measures required.

**8. Exposure Controls/Personal Protection**

Occupational exposure limits: MAK-/TRK value cobalt: 0.5/--- mg/m<sup>3</sup>

Personal protective equipment:

General protective measures	- avoid skin contact - good personal hygiene
Respiratory protection	- dust extraction
Eye protection	- safety goggles
Hand protection	- protective gloves

**9. Physical and Chemical Properties**

Physical state:	Solid
Colour:	Metallic lustre
Odour:	Odourless
Melting point:	1320-1420 °C
Density:	8.3 g/cm <sup>3</sup>
Water solubility	Insoluble

**10. Stability and Reactivity**

Hazardous decomposition products:

No decomposition when stored and used according to instructions.

May emit metallic fumes during melting.

**11. Toxicological Information**

After many years of practical experience no known hazardous effects if used with appropriate hygienic measures.

**12. Ecological Information**

Ecological and ecotoxicological test data on this product is not available.

**13. Disposal Considerations**

It should be disposed of in accordance with local authority regulations.

**14. Transport Information**

Not a dangerous product within the terms of transport regulations.

**15. Regulatory Information**

Labelling in accordance with EU directives and dangerous material regulations:

Labelling non-compulsory.

**16. Other Information**

This information is based on knowledge and experience as of the date of issue of this safety data sheet. It does not represent a guarantee of properties. It should not be altered or ascribed to other products.

The product must be used by trained dental technicians who know how to use it correctly.