

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

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

Manufacturer: AZ DENTAL GMBH
Siemensstrasse 5
DE-78467 Konstanz
+49 7531 50024
+49 7531 50026

2. Composition/Information on Ingredients

Composition:	Cobalt	63 %
	Chromium	25,5 %
	Molybdenum	1 %
	Silicium	1,1 %
	Tungsten	8,5 %
	Mangan	0,8 %
	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/m³

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:	1'375°C
Density:	8.4 g/cm ³
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.