

EC - Safety Data Sheet

1. Substance / Preparation and company name

1.1 Name of substance or preparation

DD Bio CW

1.2 Use of substance / preparation

DD Bio CW are CoCr milling blanks for the manufacture of inlays/onlays, crowns & bridges of any span, primary & secondary parts and cone & telescopic crowns.

1.3 Company name

Dental Direkt GmbH
Industriezentrum 106-108
32139 Spenge
Germany

2. Composition / information on ingredients

Synonyms	CAS no.	EINECS no.	Concentration	Molecular formula
Cobalt	7440-48-4	231-158-0	63 %	Co
Chrome	7440-47-3	231-157-5	29 %	Cr
Molybdenum	7439-98-7	231-107-2	6 %	Mo
Other oxides	-	-	< 1 %	Nb, Si, Mn; Fe

The information as to risk and precautions given in the chapters 3 to 8, 10 to 12 do not apply to the product itself, but only to dust and vapours generated on working with it.

3. Possible risks

3.1 Hazard designation

Void.

3.2 Information concerning particular hazards for human and environment

The product does not have to be labelled due to calculation procedure in "General classification guideline for preparations of the EC" latest version.

3.3 Classification system

The classification is according to the latest editions of the EC-lists and extended by company and literature data.

4. First aid measures

Cause	Remedy
Inhalation	Bring into fresh air, contact a doctor if discomfort continues.
Skin contact	Wash thoroughly with warm water and soap. Consult a doctor should skin irritation occur.
Eye contact	Wash out immediately with copious amounts of cool water. Consult a doctor if irritation persists.
Swallowing	Rinse out mouth with water and then drink copious amounts of water, consult a doctor in the event of complaints.

5. Fire fighting measures

Indication	Comment
Suitable extinguishing agent:	Fire extinguishing measures suited to environment. The product itself does not burn.
Unsuitable extinguishing agent:	Unknown.
Special risks:	Unknown.
Special protective equipment for fire fighting:	Wear respiratory protective equipment independent of ambient air in case of fire.
Additional instructions:	Prevent extinguishing water from penetration surface water or the ground water system.

6. Measures in case of unintended release

6.1 Personal precautionary measures

Use personal protective equipment.

6.2 Environmental protection measures

Prevent from penetrating surface water or the sewer system.

6.3 Cleaning procedure

Pick up mechanically, avoid dust formation.

7. Handling and storage

7.1 Handling

This product should only be handled by trained personnel.

Ensure that

- dust formation and dust deposits are avoided.
- adequate ventilation and a suitable extraction system is available.
- occupational exposure limits (OEL) and / or other limit values are observed.

7.2 Storage

Ensure that the blanks:

- are stored dry and in their original packaging.
- are not exposed to blows or severe vibration.

Instructions for common storage: Adhere to VCI storage system rules.

Instructions on fire and

explosion protection:

No special precautionary measures required.

VCI storage class:

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7.3 Specific usage

Please consult instructions for use.

8. Exposure control and personal protective equipment

8.1 Exposure limits

Chrome

CAS-Nr. 7440-47-3

EG-Nr. 231-157-5

WEL

Long-term value 0.5 mg/m³

8.2 Personal protective equipment

Protection

Respiratory protection

Hand protection

Eye protection

Body protection

General protective measures

Description

Respiratory protection with filter.

Glove material made of natural rubber. Details on material thickness and break through time are not applicable for non-dissolved solids / dusts.

Wear safety glasses during grinding work.

Protective clothing.

The precautionary measures usual when handling chemicals should be observed. Store working clothes separately.

9. Physical and chemical properties

9.1 General information

Description

Appearance industrially-manufactured solid

Colour silver grey

Odour odourless

9.2 Important information regarding health and environmental protection and safety

Description

pH value	No data available.
Melting point/Melting range (Solidus/Liquidus)	1310 / 1385 °C
Flammability (solid, gaseous)	Not highly flammable, method Directive 67/548/EEC, Annex V, A.10.
Flammability (contact with water)	Not highly flammable, method Directive 67/548/EEC, Annex V, A.12.
Dust explosion hazard	No data available.
Explosion limits	
Lower explosion limit	No data available.
Spontaneous ignitability	Not highly flammable, method Directive 67/548/EEC, Annex V, A.16.
Density	No data available.
Solubility	Water insoluble.

10. Stability and reactivity

10.1 Conditions to be avoided

None known.

10.2 Substances to be avoided

None known.

10.3 Hazardous degradation products

Not applicable.

10.4 Thermal degradation

Not applicable.

11. Toxicological information

Toxicological information not available.

12. Ecological information

12.1 Ecotoxicity

No ecological problems should be expected if handled and used correctly.

12.2 Mobility

Not applicable.

12.3 Persistence and degradability

Not applicable.

12.4 Bioaccumulation potential

Unknown.

12.5 Other harmful effects

Unknown.

13. Disposal instructions

- Product:
- Disposal should conform to federal/national and local regulations.
 - No waste key number can be determined for this product in compliance with the European Waste List, as assignment can only be realised on the basis of the purpose of use of the consumer.
- Packaging:
- Non-contaminated and cleaned packaging can be recycled.

14. Transportation information

Specifications

Land transportation ADR/RID
Air transportation ICAO-TI/IATA-DGR
Sea transportation IMDG/GGVSee

Description

Not hazardous substance.
Not hazardous substance.
Not hazardous substance.

15. Legal provisions

15.1 Labelling in compliance with EU Directive

Directive 1999/45/EC Not subject to mandatory labelling

15.2 National regulations

Void.

16. Other information

Information in this safety data sheet is based on the current state of knowledge and experience. The safety data sheet describes products with regard to safety requirements. However, these specifications are no guarantee of product characteristics and do not establish any contractually-legal relationship. The information is designed to provide you with a guide to safe handling of products mentioned in the safety data sheet during storage, transportation, processing and disposal. Insofar as the product named in this safety data sheet is blended, mixed or processed with other materials, or subject to processing, the information in this safety data sheet cannot be transferred to the new material manufactured in this manner, provided nothing else is expressly achieved from this. The information does not have the importance of statements of condition, assurances of certain characteristics or guarantees.

16.1 Relevant R-phrases and S-phrases

This/These phrase(s) apply(ies) to one of the substance of content(s) and do not necessarily mention the classification of the preparation.

R 42/43 May cause sensitisation by inhalation and skin contact (Cobalt).

R 53 May cause long-term adverse effects in the aquatic environment (Cobalt).

S 22 Do not inhale dust (Cobalt).

S 24 Do avoid contact with skin (Cobalt).

S 37 Appropriate protection gloves should be worn (Cobalt).