

## CHROM-COBALT

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

#### 1.1 PRODUCT IDENTIFIER

1.1.1 COMMERCIAL PRODUCT NAME	Chrom-Cobalt
1.1.2 PRODUCT NUMBER	MEAAxxxx

#### 1.2 RELEVANT IDENTIFIED USES FOR THE SUBSTANCE OR MIXTURE

1.2.1 IDENTIFIED USES	Production of dentures
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#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

1.3.1 MANUFACTURER	Zirkonzahn GmbH/S.r.l., An der Ahr 7, IT 39030 Gais
1.3.2 SUPPLIER	Zirkonzahn GmbH/S.r.l., An der Ahr 7, IT 39030 Gais
1.3.3 TOX EMERGENCY CALL	+39 0474 066 660

### 2. HAZARD IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.1.1 CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008	This product is not subject to labelling requirements according to EC directives.
2.1.2 ADDITIONAL INFORMATION	The product is specified under EC Directive 93/42 for medical products. The product is classified and labelled according to the German Ordinance on Hazardous Substances (GefStoff)/EC directives.

#### 2.2 LABEL ELEMENTS

2.2.1 LABELLING IN ACCORDANCE WITH REGULATION EC1272/2008	Not applicable.
2.2.1.1 DANGER SYMBOLS	Not applicable.
2.2.1.2 SIGNAL WORD	Not applicable.
2.2.1.3 HAZARD-DETERMINING COMPONENTS OF LABELLING	Not applicable.
2.2.1.4 H-PHRASES	Not applicable.
2.2.1.5 P-PHRASES	Not applicable.
2.2.1.6 ADDITIONAL LABELLING	Not applicable.

2.3 OTHER HAZARDS	Not specified.
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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 CHEMICAL CHARACTERIZATION	Chrom-Cobalt (CoCr28Mo6) contains: cobalt (CAS no. 7440-48-4), chromium (CAS no. 7440-47-3), molybdenum (CAS no. 7439-98-7).
3.2 HAZARDOUS INGREDIENTS	Not applicable.
3.3 OBSERVATION	Not specified.
3.4 ADDITIONAL INFORMATION	Not specified.

### 4. FIRST AID MEASURES

4.1 EYE CONTACT	Remove foreign objects, seek medical advice in case of complaints.
4.2 SKIN CONTACT	No special fire fighting measures required.
4.3 INGESTION	If troubles persist, contact a physician.
4.4 INHALATION	Seek medical advice immediately.
4.5 ADDITIONAL INFORMATION	No further relevant information available.

### 5. FIRE FIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING DEVICES	Not flammable in solid form. No special measures required.
5.2 UNSUITABLE EXTINGUISHING MEDIA	No special measures required.
5.3 FURTHER INFORMATION	No further relevant information available.

### 6. ACCIDENTAL RELEASE MEASURES

6.1 PERSON-RELATED PRECAUTIONARY MEASURES	Use respiratory protection when exposed to vapours/dust/aerosol.
6.2 ENVIRONMENTAL PROTECTION MEASURES	Keep away from drains/ground water.
6.3 CLEANING MEASURES	Pick up mechanically.
6.4 ADDITIONAL INFORMATION	No hazardous substances are released.

### 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 are necessary. When using, do not eat, drink or smoke.
7.3 STORAGE	Store in dry conditions.
7.4 INFORMATION ABOUT STORING WITH OTHER PRODUCTS	Not required.

7.5 FIRE AND EXPLOSION PROTECTION	No special measures required.
7.6 INDICATIONS FOR SAFE HANDLING	No further indications necessary.
7.7 STORAGE CLASS	Undetermined.
7.8 FURTHER INFORMATION	None.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS	
8.1.1 OCCUPATIONAL EXPOSURE LIMIT VALUES	Not specified.
8.1.2 BIOLOGICAL LIMIT VALUES	Not specified.
8.2 LIMIT VALUES AND EXPOSURE CONTROLS	Not applicable.
8.3 PERSONAL PROTECTIVE EQUIPMENT	No.
8.3.1 RESPIRATORY PROTECTION	Not required.
8.3.2 HAND PROTECTION	Not required.
8.3.3 EYE PROTECTION	Not required.
8.3.4 OTHER	Not required.
8.4 FURTHER INFORMATION	None.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES	
9.1.1 FORM	Solid.
9.1.2 COLOUR	Silver.
9.1.3 ODOUR	Odourless.
9.1.4 CHANGES IN PHYSICAL STATE	
9.1.4.1 FREEZING POINT	Not applicable.
9.1.4.2 MELTING POINT/SPHERE	Not specified.
9.1.4.3 BOILING POINT	Not specified.
9.1.5 DENSITY	Not specified.
9.1.6 SOLUBILITY	Insoluble in water. In organic solvents 0.0 %.
9.1.7 PH-VALUE	Not applicable.
9.1.8 FLASH POINT	Not applicable.
9.1.9 IGNITION POINT	Not self-igniting.
9.1.10 EXPLOSION LIMITS	Not explosive.
9.1.11 SOLIDS CONTENT/VISCOSITY	100 % solid.

9.2 RELEVANT CHARACTERISTICS OF THE SUBSTANCE GROUP Not specified.

9.3 ADDITIONAL INFORMATION None.

## 10. STABILITY AND REACTIVITY

10.1 REACTIVITY No decomposition if used correctly.  
10.2 CHEMICAL STABILITY Stable if handled correctly.  
10.3 POSSIBLE DANGEROUS REACTIONS No hazardous reactions known.  
10.4 CONDITIONS TO AVOID Not specified.  
10.5 INCOMPATIBLE MATERIALS Not specified.  
10.6 HAZARDOUS DECOMPOSITION No hazardous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS  
11.1.1 ACUTE TOXICITY Not specified.  
11.1.2 SKIN No irritating effects.  
11.1.3 EYES No irritating effects.  
11.1.4 SENSIBILIZATION No sensitising effect known.  
11.2 ADDITIONAL INFORMATION The product has not to be labelled due to the calculation procedure of the "General Classification Guideline for preparations of the EU" in the latest valid version. Based on our experience and the information at our disposal, the product causes no harmful effects if handled correctly and used according to regulations.

## 12. ECOLOGICAL INFORMATION

12.1 TOXICITY Avoid discharge into ground water or sewage systems.  
12.2 PERSISTENCE AND DEGRADABILITY Not specified.  
12.3 BIOACCUMULATION POTENTIAL Not specified.  
12.4 MOBILITY IN SOIL Not specified.  
12.5 RESULTS OF PBT AND VPVB ASSESSMENT Not specified.  
12.6 OTHER HARMFUL EFFECTS Not specified.

## 13. DISPOSAL CONSIDERATIONS

13.1 PROCESS OF WASTE MANAGEMENT Dispose of in conformity with local official regulations.  
13.1.1 EC-WASTE KEY Not known.

13.2 PACKING	Dispose of contaminated packaging in conformity with local official regulations.
13.3 ADDITIONAL INFORMATION	None.

## 14. TRANSPORT

14.1 UN-NUMBER ADR, ADN, IMDG, IATA	Not specified.
14.2 UN PROPER SHIPPING NAME ADR, ADN, IMDG, IATA	Not specified.
14.3 TRANSPORT HAZARD CLASS ADR, ADN, IMDG, IATA	Not specified.
14.4 PACKAGING GROUP ADR, IMDG, IATA	Not specified.
14.5 ENVIRONMENTAL HAZARDS MARINE POLLUTANT	Not specified.
14.6 SPECIAL PRECAUTIONS FOR THE USER	Not specified.
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 CONVENTION AND IBC-CODE	Not specified.
14.8 TRANSPORT/ADDITIONAL INFORMATION	Not specified.

## 15. LEGISLATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE	This product does not require classification according to the EC directives. The product is specified under EC Directive 93/42 for medical products.
15.2 NATIONAL REGULATIONS	
15.2.1 CLASSIFICATION IN ACCORDANCE WITH THE BETRSICHTV. (ORDINANCE ON INDUSTRIAL SAFETY AND HEALTH)	Not specified.
15.3 TECHNICAL INSTRUCTIONS ON AIR QUALITY	Not specified.
15.4 WATER HAZARD CLASS (WGK)	Water pollution class undetermined.
15.5 CHEMICAL SAFETY ASSESSMENT	A Chemical Safety Assessment has not been carried out.

## 16. ADDITIONAL INFORMATION

The aforementioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products with regards to its necessary safety measures. The indications do not have the meaning of guarantees on properties.

ABBREVIATIONS AND ACRONYMS

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

BETRSTICHV: Betriebssicherheitsverordnung

**Department issuing data specification sheet:**

Zirkonzahn GmbH/S.r.l.,

An der Ahr 7,

IT 39030 Gais