

## safety data sheet according to 91/155/EEC

version no.: 5

valid from: 22.09.2017

### **CopraSintec K**

#### **1. identification of the substance/preparation and of the company/undertaking:**

- 1.1 identification of the substance: cobalt chrome
- 1.2 application / preparation: metal disc and metal blocks in different sizes for dental use
- 1.3 producer / supplier: Whitepeaks Dental Solutions GmbH & Co. KG  
Langeheide 9, 45239 Essen - Germany  
phone: +49-281-206458-0  
fax: +49-281-206458-13
- 1.4 toxication helpdesk: Giftnotrufzentrale Berlin:  
phone (24Std.) +49 30 30686 700

#### **2. composition / information on ingredients**

chem characterisation: Cr-Co

Ingredients:

CAS: 7440-48-4	EINECS: 231-158-0	cobalt (Co)	Balance
CAS: 7440-47-3	EINECS: 231-157-5	chrome (cr)	Ca. 26,5-30%
CAS: 7439-98-7	EINECS: 231-107-2	molybdenum	Ca. 4,-7%
CAS: 7440-21-3	EINECS: 231-130-8	silicium	Ca. 0-1%
CAS: 7439-98-7	EINECS: 231-107-2	manganese	Ca. 0-1%
CAS: 7439-89-6	EINECS: 231-096-4	iron	Ca. 0-1%
CAS: 7440-02-0	EINECS: 231-111-4	nickel	Ca. 0-1%
CAS: 7440-44-0	EINECS: 215-202-6	carbon	Ca. 0-0,35%

additional notes: The hazards in point 4 to 8 as well as 10 to 12 do not refer to the product itself, but to the dust released by processing.

#### **3. hazards identification**

- 3.1 hazard designation for human an environment: n.a.
- 3.2 hazardous / non hazardous preparation: n.a.
- 3.3 harmful effects to health and environment on abuse: n.a.
- 3.4 other hazards based on material: n.a.

#### 4. first aid measures

- |     |                            |  |
|-----|----------------------------|--|
| 4.1 | general information:       | no special measures are required   |
| 4.2 | after inhalation:          | consult a physician  |
| 4.3 | after skin contact:        | n.a.   |
| 4.4 | after eye contact:         | if swarf get into your eyes, rinse open eye for several minutes under running water. If symptoms persist consult a physician |
| 4.5 | after swallowing:          | in case of discomfort consult a physician  |
| 4.6 | information for physician: | n.a.   |

#### 5. fire-fighting measures

No special measures are required. The product is resistant to fire and explosion. Coordinate measures to the ambience.

- |     |                                   |      |
|-----|-----------------------------------|------|
| 5.1 | suitable extinguishing media:     | n.a. |
| 5.2 | not suitable extinguishing media: | n.a. |
| 5.3 | hazardous combustion products:    | n.a. |
| 5.4 | special protection equipment:     | n.a. |

#### 6. accidental release measures

- |     |                            |   |
|-----|----------------------------|---|
| 6.1 | personal precautions:      | common use of protective clothing, dust mask as well as a dust extractor device |
| 6.2 | environmental precautions: | no special measures are required  |
| 6.3 | methods of cleaning:       | absorption, sweep   |
| 6.4 | additional information:    | n.a.  |

#### 7. handling and storage

- |     |              |  |
|-----|--------------|--|
| 7.1 | handling:    | according to use instructions. To proper application no special measures required. Take care for sufficient extraction at work station |
| 7.2 | storage:     | no special measures required   |
| 7.3 | application: | n.a.   |

#### 8. exposure controls/personal protection

- |         |  |  |
|---------|--|--|
| 8.1     | exposure limits:                                       | n.a.   |
| 8.2     | limitation and monitoring to exposure                  | n.a.   |
| 8.2.1   | limitation and monitoring to exposure at work station: | Do not eat, drink or smoke while you are working. Keep away from food and drinks |
| 8.2.1.1 | respiratory protection:                                | Always wear a facemask (class FFP3) protective glove and                         |
| 8.2.1.2 | hand protection  | goggles while processing CopraSintec blanks and swich on the                     |
| 8.2.1.3 | eye protection:  | extraction, equipped with filter class Hepa H. Avoid contact with                |

mucous membranes.

8.2.1.4 skin protection: wear protective clothing

8.2.2 limitation and monitoring to  
environmental exposure: n.a.

## 9. physical and chemical properties

9.1 appearance: silver

9.1.1 aggregate state: solid

9.1.2 odour: odourless

9.2 pH: n.a.

9.2.1 boiling point: n.a.

9.2.2 flash point: n.a.

9.2.3 autoflammability: n.a.

9.2.4 explosive properties: this product is not explosive

9.2.5 oxidizing properties: n.a.

9.2.6 vapor pressure: n.a.

9.2.7 relative density: 8,3 gr/cm<sup>3</sup> at 20°C

9.2.8 solubility water / fat insoluble in water

9.2.9 partition coefficient: n.a.

9.2.10 viscosity : n.a.

9.2.11 vapor density n.a.

9.2.12 evaporation rate: n.a.

9.3 other data: melting point at 1320°C to 1420°C, decomposition temperature 2000°C

## 10. stability and reactivity

10.1 conditions to avoid: n.a.

10.2 materials to avoid: n.a.

10.3 hazardous decomposition products: n.a.

#### 11. toxicological information

n.a.

#### 12. ecological information

12.1 ecotoxicity:	not hazardous to water
12.2 mobility:	n.a.
12.3 persistence / degradability:	n.a.
12.4 bioaccumulation potential:	n.a.
12.5 other adverse effects:	n.a.

#### 13. disposal considerations

suggestion:	Contact waste processors for recycling information
european waste catalogue:	12 01 04 non-ferrous metal dust and particles

#### 14. transport information

14.1 un-number:	n.a.
14.2 class:	n.a.
14.3 correct identification of goods:	CopraSintec K / CopraSintec Evo K
14.4 packaging group:	n.a.
14.5 ocean harmful substances:	n.a.
14.6 other relevant information:	n.a.

#### 15. regulatory information

subject to classification: This product is not subject to declaration according to EC rules

#### 16. other information

This safety data sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

We can not a guarantee or give a warranty for the accuracy, dependability and completeness of this information, explicitly or implicitly. We call upon any person getting this information to urgently check and verify the adequacy and completeness for her or his special application.

n.a. = not applicable