

Home Nr.: 102-403-87 Revise at: 01.2010  
Name of Cmrce. **Remanium Star CL, Powder 10-40 µm**  
Version: 1.1 Class of: 01.2010  
Product no.: **102-403-87**

Code:

## 01. Identification of the Substance and of the Company

### Product Definition

Name of Cmrce.: Remanium Star CL, Powder 10-40 µm  
Product-Infos: Remanium Star CL, Powder 10-40 µm  
Manufacturer: DENTAURUM GmbH & Co. KG  
Turnstraße 31 D-75228 Ispringen

### Information from

Emergency-Info: Dentaurem Chemistry  
0049-7231/803-190

## 02. Composition/Information on Ingredients

Chemical Nature:  
Alloy Powder cobalt base

### Dangerous Contents:

CAS number/Description:	Concentration:	GS:	R Phrases:
7440-33-7 Tungsten		F	11
7440-47-3 Chromium			
7440-48-4 Cobalt		Xn	42/43

## 03. Hazards Identification

- May cause irritation by inhalation and by contact with the skin.

## 04. First-Aid Measures

- First aid measures / inhalation of dust  
Take the person outside to breath fresh air,  
Refer for medical treatment
- First aid measures / skin contact  
In case of contact with skin wash off immediately with plenty of water
- First aid measures / eye contact  
In case of contact with eyes rinse thoroughly with water
- First aid measures/ if swallowed  
Induce vomiting if patient is conscious, seek medical advice

## 05. Fire-fighting Measures

- Suitable extinguishing materials  
Special fire-extinguisher for metal burn (class D according to EN 3 or equal)
- Extinguishing media that must not be used for safety reasons:  
water  
foam  
ABC powder  
carbon dioxide

#### 06. Accidental Release Measures

- Personal precautions: Avoid dust formation  
Keep away sources of ignition
- Methods for cleaning up/taking up  
Take up in the dry state and fill into a closed container  
Take up with dust binding sweep aids or appropriate vacuum cleaner  
Send in suitable containers for recovery or disposal

#### 07. Handling and Storage

- Advice on safe handling  
Avoid the formation and deposition of dust
- Advice on protection against fire and explosion  
Avoid dust formation  
Do not smoke
- Requirements for storage rooms and vessels  
Keep only in original container
- Further information on storage conditions  
Keep container tightly closed  
Keep the container dry

#### 08. Exposure Controls/Personal Protection

- Respiratory protection  
Breathing protection if product steam or product dust occurs
- General protective measures  
Do not inhale vapours  
Do not inhale dust  
Avoid contact of molten material with skin
- Hand protection  
Protective gloves
- Eye protection  
Goggles
- General protective measures  
Do not inhale dust  
Avoid contact with eyes and skin  
Arrange appropriate extraction system when using and sufficient aeration of the working room

#### Ingredients relating to Workplace-Limits to get supervised

CAS number/Description:	Concentration:	Typ:	Value:
7440-47-3 Chromium		MAC	0,500 mg/m <sup>3</sup> ml/m <sup>3</sup>
7440-48-4 Cobalt		MAC	0,500 mg/m <sup>3</sup> ml/m <sup>3</sup>

### 09. Physical and chemical Properties

- Form  
powder
- Colour  
grey
- Odour  
odourless
- Density / remarks: 4,5-5,7 g/cm<sup>3</sup>
- Solubility in water / remarks  
insoluble

### 10. Stability and Reactivity

- Hazardous decomposition products  
No hazardous decomposition products known
- Conditions to avoid  
Fine pulverised powder can self-inflame by contact with air and ignition source.  
Metals are soluble in acids. Hydrogen gas is setting free by contact with mineral acids which can form explosive combinations in the air.

### 11. Toxicological Information

- Experiences made in practice  
Sensitization through skin contact possible  
Irritates the eyes and the skin

### 12. Ecological Information

- General information / ecology  
Product is insoluble in water  
Do not allow to enter soil, waterways or waste water

### 13. Disposal Considerations

- Disposal / product  
For recycling, consult waste disposal centres

### 14. Transport Information

No dangerous good

### 15. Regulatory Information

- Labelling  
The product does not require a hazard warning label in accordance with EC directives/the relevant national laws.

### 16. Other Information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.