

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**remanium GM 280, 380+, 800+, 900, 2000+, 2001, star, Triloy, Secura, LFC**

Revision date: 07.05.2018

Product code: 102-001

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

remanium GM 280, 380+, 800+, 900, 2000+, 2001, star, Triloy, Secura, LFC

**Further trade names**

Article No.: 100-500-00, 102-001-10, 102-200-10, 102-250-00, 102-280-00, 102-600-01, 102-600-02, 102-600-10, 102-601-10, 102-602-10, 102-610-00, 102-611-00, 102-612-00, 102-620-00, 102-621-00, 102-622-00, 102-630-00, 102-631-00, 102-632-00, 102-640-00, 102-641-00, 102-642-00

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Health services.

**1.3. Details of the supplier of the safety data sheet**

Company name:	DENTAURUM GmbH & Co. KG	
Street:	Turnstr. 31	
Place:	D-75228 Ispringen	
Telephone:	+49 7231 803 0	Telefax: +49 7231 803 295
e-mail:	info@dentaurum.de	
Internet:	www.dentaurum.com	

**Further Information**

Emergency telephone:		
07:00 - 16:15 (Mo - Do), 07:00 - 13:15 (Fr)	+49 7231 803 193	
16:15 - 18:00 (Mo - Do), 13:15 - 18:00 (Fr)	+49 7231 803 0	

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

No risks worthy of mention.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

**Additional advice on labelling**

Compact metal/alloy without hazards for human health or environment

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Dental alloy on cobalt-chrome base.

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7440-48-4	Cobalt			30-70 %
	Carc. 1B; H350			
7440-47-3	Chromium			20-40 %
7439-98-7	Molybdenum			4-10 %

Full text of H and EUH statements: see section 16.

#### Further Information

Remanium Star Ingredient (name): cobalt, Chromium

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Provide fresh air. Inhalation of dust/particles: Remove casualty to fresh air and keep warm and at rest.

##### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. After contact with molten product, cool skin area rapidly with cold water.

##### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

##### After ingestion

Rinse mouth immediately and drink plenty of water.

#### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

#### 5.2. Special hazards arising from the substance or mixture

Non-flammable.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

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#### **6.2. Environmental precautions**

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

#### **6.3. Methods and material for containment and cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Avoid dust formation.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

No special measures are necessary.

##### **Advice on protection against fire and explosion**

Avoid dust formation.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. No special measures are necessary.

##### **Advice on storage compatibility**

No special measures are necessary.

#### **7.3. Specific end use(s)**

Health services.

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

##### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7440-47-3	Chromium	-	0.5		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

#### **8.2. Exposure controls**



##### **Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Do not breathe vapour. Do not breathe dust.

Caution! Hot molten mass. Avoid contact with skin.

##### **Eye/face protection**

Wear eye protection/face protection.

##### **Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is

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recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection necessary at: In the case of the formation of dust.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Pellets	
Colour:	silver grey	
Odour:	odourless	
pH-Value:		not determined

#### Changes in the physical state

Melting point:		not determined
Initial boiling point and boiling range:		not determined
Sublimation point:		not determined
Softening point:		not determined
Pour point:		not determined
Flash point:		not applicable
Sustaining combustion:		No data available

#### Flammability

Solid:		not determined
Gas:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Ignition temperature:		not determined

#### Auto-ignition temperature

Solid:		not determined
Gas:		not applicable
Decomposition temperature:		not determined

#### Oxidizing properties

Not oxidising.		
Vapour pressure:		not determined
Vapour pressure:		not determined
Density:		8 g/cm <sup>3</sup>
Bulk density:		not determined
Water solubility:		insoluble

#### Solubility in other solvents

not determined		
Partition coefficient:		not determined
Viscosity / dynamic:		not determined
Viscosity / kinematic:		not determined
Flow time:		not determined

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Vapour density: not determined

Evaporation rate: not determined

**9.2. Other information**

Solid content: not determined

Odour threshold: not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No risks worthy of mention.

**10.4. Conditions to avoid**

none

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

none

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Additional information on tests**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**Practical experience****Other observations**

Health hazards: none

**SECTION 12: Ecological information****12.1. Toxicity**

The product is not: Ecotoxic.

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The product has not been tested.

**12.6. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

Solubility in water (g/l): The study does not need to be conducted because the substance is known to be insoluble in water.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation.

#### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

## SECTION 14: Transport information

### 14.6. Special precautions for user

No information available.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

#### Other applicable information

Not a hazardous material with respect to transportation regulations.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

##### Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

##### National regulatory information

Water contaminating class (D):

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,8,9,10,11,12,13,14,15,16.

### Abbreviations and acronyms

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

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

### Relevant H and EUH statements (number and full text)

H350 May cause cancer.

EUH210 Safety data sheet available on request.

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of

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processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*