

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**LuxaCam Zircon (LT, HT, HT plus)**

Print date: 15.07.2016

Product code: 6650

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

LuxaCam Zircon (LT, HT, HT plus)

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

Restricted to professional users. (dental)

**Uses advised against**

Do not use in household.

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

Company name:	DMG Chemisch-Pharmazeutische Fabrik GmbH		
Street:	Elbgaustraße 248		
Place:	D-22547 Hamburg		
Telephone:	+49. (0) 40. 84006-0	Telefax: +49. (0) 40. 84006-222	
e-mail:	info@dmg-dental.com		
Internet:	www.dmg-dental.com		

**SECTION 2: Hazards identification****2.2. Label elements****SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

xxx	CAS	%
ZrO <sub>2</sub>	1314-23-4	90 - 95
Y <sub>2</sub> O <sub>3</sub>	1314-36-9	4.5 - 9.5
Al <sub>2</sub> O <sub>3</sub>	1344-28-1	0 - 0.5
FeO(OH)	20344-49-4	0 - 0.5
ER <sub>3</sub> O <sub>3</sub>	12061-16-4	0 - 0.5
CO <sub>3</sub> O <sub>4</sub>	1308-06-1	0 - 0.1

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

No special measures are necessary.

**After inhalation**

Provide fresh air.

Seek medical attention if problems persist.

**After contact with skin**

After contact with skin, wash immediately with: Water and soap.

**After contact with eyes**

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

Seek medical attention if problems persist.

**After ingestion**

Rinse mouth thoroughly with water.

Seek medical attention if problems persist.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

not applicable

##### **Unsuitable extinguishing media**

not applicable

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

not applicable

#### 5.3. Advice for firefighters

not applicable

### SECTION 6: Accidental release measures

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

Avoid generation of dust. Use appropriate respiratory protection.

#### 6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

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

Remove mechanically, placing in appropriate containers for disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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

See attached safety data sheets and/or usage instructions.

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

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

Keep container dry.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### **Additional advice on limit values**

Exposure limit values: 4 mg/cm<sup>3</sup>5 mg/cm<sup>3</sup>

#### 8.2. Exposure controls

##### **Appropriate engineering controls**

In case of open handling, use devices with built-in suction where possible.

Avoid contact with skin, eye and clothing.

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

When using do not eat, drink or smoke.

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

Wear eye/face protection.

##### **Respiratory protection**

Do not breathe dust.

##### **Environmental exposure controls**

not determined

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: solid  
 Colour: white  
 Odour: odourless

**Test method**

pH-Value: not determined

**Changes in the physical state**

Melting point: ca. 2680 °C

Initial boiling point and boiling range: ca. 5500 °C

Flash point: not applicable

**Flammability**

Solid: non-flammable

**Explosive properties**

irrelevant

Vapour pressure: not determined

Density: ca. 3 g/cm<sup>3</sup>

Water solubility: insoluble

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

not determined

**10.5. Incompatible materials**

not determined

**10.6. Hazardous decomposition products**

not determined

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

No symptoms known up to now.

Do not breathe dust.

Avoid contact with eyes.

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

none / none

**12.2. Persistence and degradability**

irrelevant

**12.3. Bioaccumulative potential**

irrelevant

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### 12.4. Mobility in soil

irrelevant

### 12.6. Other adverse effects

none / none

### Further information

No special environmental protection measures are necessary.

Do not empty into drains or the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Waste disposal according to official state regulations.

#### Waste disposal number of contaminated packaging

150101 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number:** none / none**14.3. Transport hazard class(es):** none / none**14.4. Packing group:** none / none

### Inland waterways transport (ADN)

**14.1. UN number:** none / none**14.3. Transport hazard class(es):** none / none**14.4. Packing group:** none / none

### Marine transport (IMDG)

**14.1. UN number:** none / none**14.3. Transport hazard class(es):** none / none**14.4. Packing group:** @1718.

### Air transport (ICAO)

**14.1. UN number:** none / none**14.3. Transport hazard class(es):** none / none**14.4. Packing group:** @1718.

### 14.6. Special precautions for user

none / none

### 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 there is no labelling obligation for this product.

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#### National regulatory information

#### SECTION 16: Other information

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