

# Safety Data Sheet

## 1. Name of Material/Company Trademark

Commercial name : CC DISK Zr  
Intended use: CC DISK Zr is used for making frames or full countours in dentistry in CAD/CAM machines or copy type machines..

Manufacturer/Supplier: INTERDENT d.o.o. PRODUCTION Interdent d.o.o.  
Street : Opekarniška cesta 26 Dol 1  
Country code /Postal code/City: SI-3000 Celje SI – 3342 Gornji Grad  
Telephone/Fax : +386(0) 425-62-00, +368(0) 490 41 50  
Emergency phone : +386(0) 425-62-40

## 2. Hazards Identification

*Human health hazards:* Powder of the blank that can occure when product is treated manually is irritant to eyes, skin and respiratory organs.

## 3. Ingredient Content/Ingredient Information

CHEMICAL COMPOSITION	%	CAS No
ZrO <sub>2</sub>	Rest	1314-23-4
Y <sub>2</sub> O <sub>3</sub>	4,95 - 5,35	1314-36-9
Al <sub>2</sub> O <sub>3</sub>	0,15 – 0,35	1344-28-1

## 4. First Aid Measures

*If inhaled:* Remove to fresh air. If symptoms persist, call a physician.

*In case of skin contact:* Wash off with soap and water. If skin irritation occurs, seek medical advice/attention.

*In case of eye contact:* Rinse with plenty of water. If eye irritation persists, consult a specialist.

*If swallowed:* Clean mouth with water and drink afterwards plenty of water. Obtain medical attention.

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### 5. Fire Prevention Regulations

*Suitable extinguishing media*

Extinguishing methods depends upon fire in vicinity poses. The product itself does not burn.

*Extinguishing media which shall not be used for safety reasons:*

None known.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Not known.

*Special protective equipment for fire-fighters:* In the event of fire, wear self-contained breathing apparatus.

*Additional advice:* Prevent fire extinguishing water from contaminating surface water or the ground water system.

### 6. Accidental Substance Release Regulations

*Personal precautions:* Avoid formation and deposition of dust. Use personal protective equipment.

*Environmental precautions:* Do not flush into surface water or sanitary sewer system.

*Methods for cleaning up:* Use mechanical handling equipment. Avoid dust formation. Fill into labelled, sealable containers.

### 7. Handling and storage

#### Handling

*Advice on safe handling:* Avoid dust formation. Ensure adequate ventilation and, if necessary, exhaust ventilation when handling or transferring the product. Ensure that the occupational exposure limit value/s (OEL) and/or other limit values are complied with.

*Advice on protection against fire and explosion:* No special precautions required.

#### Storage

*Requirements for storage areas and containers:* Comply with the directives governing water law

*Further information on storage conditions:* Store in tightly closed containers in a dry place.

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### 8. Exposure controls/personal protection

#### Exposure Limit Values

*Zirconium compounds* (as Zr); CAS-No.: 1314-23-4

Base: EH40 (UK)

Threshold limits: TWA : 5 mg/m<sup>3</sup>, STEL : 10 mg/m<sup>3</sup>

Note : —

*Yttrium oxide*; CAS-No.: 1314-36-9

Base: EH40 (UK)

Note : No limit value established.

*Zirconium oxide* (ZrO<sub>2</sub>); CAS-No.: 1314-23-4

Base: OEL (EU)

Note: No limit value established.

*Yttrium oxide*; CAS-No.: 1314-36-9

Base: OEL (EU)

Note: No limit value established.

#### Personal protective equipment

*Respiratory protection:* Respiratory protective device with particle filter EN 143

*Hand protection:* Glove material: Butyl-rubber, Natural rubber, Nitrile rubber

The data about break through time/strength of material is not valid for undissolved solids/dust.

*Eye protection:* Safety glasses

*Body Protection:* Protective clothing

*General protective measures:* Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately.

### 9. Physical and chemical properties

Form: solid

Colour: white

Odour: odourless

Boiling point: n.a.

Melting point: n.a.

Flash point: n.a., not flammable

Explosion limits: n.a.,

Water solubility: insoluble

### 10. Stability and reactivity

*Conditions to avoid:* None known.

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*Materials to avoid:* None known.  
*Thermal decomposition:* not applicable  
*Hazardous decomposition products:* Not known

### **11. Toxicology information**

No toxicological information available. Product is inert.

### **12. Ecology information**

Not ecological information available.

### **13. Disposal instructions**

Dispose according to the local law.

### **14. Transport Information**

Not a dangerous product within the meaning of the transport regulations.

### **15. Regulations**

*Symbol:* none

### **16. Other information**

Information listed herein are based on the present studies and are not a warrant for product's characteristics. Product user is advised to keep to given regulations and requirements at his/her own risk.