

**Z – CAD Blanks**

Trade name:

Reviewed on 11.03.2008 SK/RH

Printing date 11.03.2008

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**1 Identification of substance**

Product details:

Trade name:

Z-CAD Blanks

Manufacturer/Supplier:

Metoxit AG

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Switzerland

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**2 Composition / Data on components**

Chemical characterization:

CAS No. Description

		CAS – Nr.:	EC – Nr.:
79 – 97 %	Zirconiumoxide	1314 – 23 – 4	215 – 222 – 7
3 – 15 %	Yttriumoxide	1314 – 36 – 9	215 – 233 – 5
< 5 %	Hafniumoxide	12055 – 23 – 1	235 – 013 – 2

Product: *ceramic solid-state body containing oxide and attachment (some variants)***3 Hazard identification**

Hazard description:

*not applicable***4 First aid measures**

General information:

*no special measures required*

After inhalation:

*Supply fresh air*

After skin contact:

*Rinse with warm water*

After eye contact:

*Rinse opened eye for server al minutes under running water*

After swallowing:

*Seek medical advice***5 Fire fighting measures**

Suitable extinguishing agents:

*Use fire extinguishing methods suitable to surrounding conditions*

Protective equipment:

*no measures required***6 Accidental release measures**

Person-related safety precautions:

*not required*

Measures for environmental protection:

*no measures required*

Measures for cleaning/collecting:

*Pick up mechanically*

Additional information:

*No hazardous substances are released*

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## 7 Handling and storage

### Handling

Information for safe handling:

*Prevent formation of dust  
Provide suction extractors if dust is formed*

Information about fire- and explosion protection:

*no measures required*

### Storage

Requirements to be met by storerooms and receptacles:

*no requirements*

Information about storage in one common storage facility:

*no requirements*

Further information about storage conditions:

*none*

## 8 Exposure controls and personal protection gear

Additional information about design of technical facilities:

*none*

Ingredients with limit values that require monitoring at the workplace:

*not applicable*

Additional information:

*none*

### Personal protective equipment:

Respiratory protection:

*Ventilation of working area is recommended*

Protection of hands:

*Protective gloves*

**Material of gloves:**

*no requirements*

**Penetration time of glove material:** *not applicable*

## 9 Physical and chemical properties

**General Information:**

**Form:** *Solid*

**Colour:** *White*

**Odour:** *Odourless*

**Change in condition:**

**Melting point / Melting range ceramic:** *2`400° C*

**Boiling point / Boiling range:** *undetermined*

**Flash point:**

*not applicable*

**Danger of explosion:**

*product does not present an explosion hazard*

**Density:**

*not determined*

**Solubility in / Miscibility with:**

**Water:** *no solubility*

**Organic solvents:** *no solubility*

**Solids content:**

*100 %*

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**10 Stability and reactivity**

**Thermal decomposition / conditions to be avoided:**

*no decomposition*

**Dangerous reactions:**

*no dangerous reactions known*

**Dangerous decomposition products:**

*no dangerous decomposition products known*

**11 Toxicological information**

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:**

*no irritant effect*

**on the eye:**

*no irritating effect*

**Sensitization:**

*no sensitizing effects known*

**Additional toxicological information:**

*The product does not have any harmful effects.*

**12 Ecological information**

**General notes:**

*At present there are no ecotoxicological assessments*

**13 Disposal considerations**

**Product:**

**Recommendation:**

*Disposal must be made according to official regulations*

**Uncleaned packaging:**

**Recommendation:**

*Disposal must be made according to official regulations*

**14 Transport information**

**Maritime transport IMDG:**

**Marine pollutant:**

*no*

**15 Regulations**

**Labelling according to EU guidelines:**

*The substance is not subject to classification according to EU lists and other sources of literature known to us. The product is not subject to identification regulations under EU directives and the Ordinance on Hazardous Materials (German GefStoffV)*

**National regulations:**

**Waterhazard class:**

*undermined*

**16 Other information**

*This information 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.*