

Z – CAD Blanks

Trade name:

Reviewed on 18.01.2010 SK/RH

Printing date 18.01.2010

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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 %	Zirkoniumoxid	1314 – 23 – 4	215 – 222 – 7
3 – 15 %	Yttriumoxid	1314 – 36 – 9	215 – 233 – 5
< 5 %	Hafniumoxid	12055 – 23 – 1	235 – 013 – 2

Product: *ceramic solid-state body containing aluminium oxide and zirconium oxide
Aluminium-anodized attachment***Identification number(s):****Chemical characterization:****Description:** *porous ZrO2 bloc***3 Hazard identification**Hazard description: *not applicable***Information concerning to particular hazards to man and environment** *not applicable***Classification system:***The classification is according to the latest editions of the EU lists, and extended by company and literature data***4 First aid measures**General information: *No special measures required*After inhalation: *Supply fresh air, consult doctor in case of complaints*After skin contact: *Rinse with warm water*After eye contact: *Rinse opened eye for several minutes under running water*After swallowing: *If symptoms persist consult doctor***5 Fire fighting measures**Suitable extinguishing agents: *Use fire extinguishing methods suitable to surrounding conditions*Protective equipment: *No special measures required*

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6 Accidental release measures

Person-related safety precautions:

Not required

Measures for environmental protection:

No special measures required

Measures for cleaning/collecting:

Pick up mechanically

Additional information:

No dangerous substances are released

7 Handling and storage

Handling

Information for safe handling:

*Ensure good ventilation/exhaustion at the workplace
Provide suction extractors if dust is formed*

Information about fire- and explosion protection: *No special measures required*

Storage

Requirements to be met by storerooms and receptacles:

No special requirements

Information about storage in one common storage facility:

No required

Further information about storage conditions:

None

8 Exposure controls and personal protection gear

Additional information about design of technical facilities: *No further data, see item 7*

Ingredients with limit values that require monitoring at the workplace:

1314-23-4 zirconium dioxide

OES Short-term value: 10 mg/m³

Long-term value: 5 mg/m³

Additional information:

The lists valid during the making were used as basis

Personal protective equipment:

Respiratory protection:

In case of dust formation use respiration filter

Protection of hands:

Not required

Material of gloves:

-

Penetration time of glove material:

-

Eye protection:

Safety glasses

9 Physical and chemical properties

General Information:

Form: *Solid*

Colour: *Whitish*

Odour: *Odourless*

Change in condition:

Melting point / Melting range: *undetermined*

Boiling point / Boiling range: *undetermined*

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Flash point: *Not applicable*
Self-igniting: *Product is not selfigniting*
Danger of explosion: *product does not present an explosion hazard*
Density at 20° C: *3.0 g/cm³*
Solubility in / Miscibility with:

Water: *insoluble*
Organic solvents: *0.0 %*

Solids content: *100 %*

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: *No decomposition if used according to specifications*
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 is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specification, the product does not have any harmful effects to our experience and the information provided to us

12 Ecological information

General notes: *At present there are no ecotoxicological assessments*
Do not allow product to reach ground water, water course or sewage system

13 Disposal considerations

Product:
Recommendation: *Disposal must be made according to official regulations*
Uncleaned packaging:
Recommendation: *Disposal must be made according to official regulations*

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14 Transport information

Land transport ADR/RID (cross-border)
ADR/RID class: -

Maritime transport IMDG class: -
Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:
ICAO/IATA class: -

15 Regulations

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals

The substance is not subject to identification regulation under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV)

Safety phrases: 29 Do not empty into drains

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.