

Materials Safety Data Sheet

According to the regulation (EC) No. 1907/2006 (REACH)

Product Name: inCoris ZI, TZI and meso

Valid from: 09.09.2011

Replaces the version from: 01/2007

Printing date: 29.11.2011

1 Product and Company Identification

Product Name: inCoris ZI, inCoris TZI and inCoris ZI meso

Manufacturer/Supplier:

Sirona Dental Systems GmbH

Fabrikstr. 31

64625 Bensheim

+49 (0)6251/16 3440

+49 (0)6251/16 2935

Emergency No.: +49 (0)6251/16 0

2 Potential Hazards

Indication of danger and hazards information for human and environment: none

3 Chemical Composition/Information on Ingredients

Chemical characterization:

Name of the substances: Zirconia ceramics

CAS Nr.: 1314-23-4

Chemical formula: ZrO₂

EINECS-No.: -

EC-No.: 215-227-2

Symbol: not applicable

R-phrases: none

Additional remarks: none

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.

6 Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Measures for cleaning/collecting: Pick up mechanically.

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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: Not 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:

Zirconium dioxide:

CAS-No.: 1314-23-4

EC-No.: 215-227-2

MAC Short-term value: 10 mg/m³

MAC Long-term value: 5 mg/m³

Additional information: The lists valid during the making were used as basis.

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

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.

Color: White

Odor: Odorless

Change in condition

Melting point/Melting range: undetermined

Boiling point/Boiling range: undetermined

Flash point: Not applicable

Self-igniting: Product is not self igniting.

Danger of explosion: Product does not present an explosion hazard.

Density at 20°C: 3.3 g/cm³

Solubility in / Miscibility with

Water: Insoluble

Organic solvents: 0.0 %

Solids content: 100.0 %

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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. Classification Guidelines for Preparations as issued. When used and handled according to specifications, 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.

14 Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

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15 Regulations

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Safety phrases:

29 Do not empty into drains.

National regulations: Water hazard class: undetermined

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.