

# 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:** ZrO<sub>2</sub>

**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/m<sup>3</sup>

**MAC Long-term value:** 5 mg/m<sup>3</sup>

**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/cm<sup>3</sup>

### 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.