

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

076621544

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

070393496 070393504 070393512 070393520 070393538 070393546 070393553 070393561 070393579 070393595  
070393603 076621502 076621510 076621528 076621536 076621551 076621593 076621601 076621619 076621627  
076621635 076621643 076621692 076621700 076621718 076621726 076621734 076621742 076621890 076621908  
076621916 076621924 076621932 076622005 076622021 076622039 076622047 076622054 076622112 076622120  
076622138 076622146 076622153 076622161 076622229 076622237 076622245 076622252 076622260 076622278  
076622336 076622344 076622351 076622369 076622377 076622385 076622443 076622450 076622468 076622476  
076622484 076622559 076622567 076622583 076622591 076622609 076622666 076622674 076622682 076622690  
076622708 076622716 076622831 076622849 076622856 076622864 076622872 076622880 076622955 076622963  
076622971 076622989 076622997 076624803 076624811 076624829 076624837 076624845 076624910 076624928

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

070393587 076624019

# 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:**  $\text{ZrO}_2$

**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.