

# EU Safety Data Sheet

SR Ivocron powder  
Incisal, Dentin, Cervical, Gingiva



Date of issue / Reference

07.06.2005 hot

Replaces version of

30.09.2004

Date of printing

07.06.2005 **Sheet No. 1294**

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Company

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Principality of Liechtenstein

## 1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **SR Ivocron powder  
Incisal, Dentin, Cervical, Gingiva and Intensive**
- 1.2 Application / Use Crowns- and bridges material
- 1.3 Producer Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein
- 1.4 Supplier
- 1.5 TOX emergency number Emergency-Call: +423 / 235 35 35 or 373 40 40  
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

## 2 Composition

- 2.1 Chemical characterization Powder of polymethylmethacrylate, pigments and catalysts
- 2.2 Hazardous components  
CAS No. 94-36-0 < 1 % Benzoylperoxide  
Xi: Irritant. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.
- 2.3 Further information None.

## 3 Hazards identification

Dust generation

## 4 First aid measures

- 4.1 Eye contact Flush with plenty of water. Consult a physician if irritation persists.
- 4.2 Skin contact Wash thoroughly with soap and water.
- 4.3 Ingestion Give large amounts of water.
- 4.4 Inhalation Take into fresh air.
- 4.5 Further information If respiratory irritation is experienced, call a physician.

## 5 Fire-fighting measures

- 5.1 Suitable extinguishing media Water fog.  
Carbon dioxide.  
Extinguishing powder.
- 5.2 Extinguishing media to avoid Do not use direct water stream.
- 5.3 Further information None.

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**6 Accidental release measures** Clean up mechanically.  
Dispose of according to local and national regulations.

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## 7 Handling and storage

- 7.1 Handling Only adequately trained personnel should handle this product.  
Keep out of reach of children.  
Avoid dust build-up.
- 7.2 Industrial hygiene Usual hygienic measures for dental practice.  
When using, do not eat, drink or smoke.  
Avoid breathing dust.
- 7.3 Storage Store at 12-28 °C / 54-82 °F.  
Store in dry well ventilated area away from sources of ignition and heat.
- 7.4 Place of storage Avoid exposure to direct sunlight.
- 7.5 Fire- and explosion-protection Dust in air may be explosive.
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## 8 Exposure controls / Personal protection

- 8.1 Technical measures Provide adequate local ventilation.
- 8.2 Control of threshold limits Producer Industry recommends an exposure limit of 10 mg/m<sup>3</sup>.
- 8.3 Personal protective equipment
- 8.3.1 Respiratory protection Avoid breathing dust.  
In dusty atmospheres, use an approved dust respirator.
- 8.3.2 Hand protection Gloves.
- 8.3.3 Eye protection Safety goggles.
- 8.3.4 Other Use only with adequate ventilation.
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## 9 Physical and chemical properties

- 9.1 Appearance powder
- 9.2 Colour off-white to cream - yellowish
- 9.3 Odour low
- 9.4 Change of physical state Test method:  
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- 9.5 Density 1.2 g/cm<sup>3</sup> (20°C)
- 9.6 Vapour pressure not applicable

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9.7 Viscosity

not applicable

9.8 Solubility

Solubility in

non soluble

9.9 pH

not determined

9.10 Flash point

> 250 °C

9.11 Ignition temperature

> 400 °C

9.12 Explosion limits

Lower:  
Upper:  
not determined

9.13 Further information

None.

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## 10 Stability and reactivity

10.1 Thermal decomposition

> 250 °C

10.2 Hazardous decomposition products

None, if used in accordance to instructions.  
Product may decompose at elevated temperatures generating vapours which could be irritating (Methylmethacrylate).

10.3 Hazardous reactions

none known

10.4 Further information

None.

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## 11 Toxicological information

11.1 Acute toxicity

Polymethylmethacrylate: The oral LD50 for rats is > 10'000 mg/kg.  
Benzoylperoxide: The oral LD50 for rats is > 7'710 mg/kg.

11.2 Subacute / Chronic toxicity

No adverse effects anticipated by this route of exposure incidental to proper industrial handling.  
May rarely cause an allergic reaction in susceptible people.

11.3 Further information

Dust may irritate eyes.  
Cured material: Biological evaluation according to OECD principles and EEC directives no cytotoxic nor allergic potential, no skin irritation.

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## 12 Ecological information

No ecological problems to be anticipated if properly handled and used.  
nearly insoluble

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## 13 Disposal considerations

Burn in an adequate incinerator under carefully controlled conditions in accordance with local and national regulations.

13.1 EU waste key

20 01 39

## 14 Transport information

14.1 Transport at land

ADR

RID

UN Number  
Packing Group  
Proper shipping name

Kemler Number

14.2 Transport at sea

ADNR

IMDG

UN Number  
EMS  
Packing Group  
Proper shipping name

MFAG

14.3 Air transport

ICAO / IATA-DGR  
UN Number  
Proper shipping name

Subsidiary Risk  
Labels  
Packing Group  
Packing Instructions

Passenger airplane

max.  
Packing Instructions

Cargo Airplane

max.

14.4 Further information

Product is not classified for any mode of transportation.

## 15 Regulatory information

This product does not require classification according to the criteria of the EC.  
The product is a medical device according to the EC-directive 93/42.

15.1 UN number

15.2 National regulations

15.3 EU number

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15.4 Hazard symbols

**Xi**

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15.5 Hazard designation

Xi: Irritant. Contains Benzoylperoxide.

15.6 Risk phrases

**R: 36-43**

36 Irritating to eyes.

43 May cause sensitisation by skin contact.

15.7 Safety phrases

15.8 MAK value

--- ml/m<sup>3</sup> (ppm)

15.9 BVD classification (CH)

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15.10 VbF (D)

15.11 Further information

None.

## 16 Other information

Store in dry well ventilated area away from sources of ignition and heat.

*The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.*