

# EU Safety Data Sheet

SR Ivocap Clear Polymer



Date of issue / Reference

04.10.2010

liprt

Replaces version of

01.10.2007

lise / v4

Date of printing

04.10.2010

**Sheet No. 1225**

Version 5

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Company

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein

## 1 Commercial product name and supplier

1.1 Commercial product name /  
Designation

**SR Ivocap Clear Polymer**

1.2 Application / Use

Denture base material

1.3 Producer

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Fürstentum Liechtenstein  
msds@ivoclarvivadent.com

Supplier

1.4 TOX emergency number

Official

Emergency-Call: +423 / 235 33 13  
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

## 2 Hazards identification

Dust generation

## 3 Composition

3.1 Chemical characterization

> 98 % Polymethylmethacrylate (CAS-No. 9011-14-7)

3.2 Hazardous components

CAS No. 94-36-0

< 1.5 % Benzoylperoxide

EINECS/ELINCS No.: 202-327-6

Xi: Irritant. E: Explosive. R3: Extreme risk of explosion by shock, friction, fire or other sources of ignition. R7: May cause fire. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.

3.3 Further information

None.

## 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.

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## 5 Fire-fighting measures

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

## 6 Accidental release measures

Clean up mechanically.  
Dispose of according to local and national regulations.

## 7 Handling and storage

- |     |                                |   |
|-----|--------------------------------|---|
| 7.1 | Handling                       | Avoid dust build-up.<br>Only adequately trained personnel should handle this product. |
| 7.2 | Industrial hygiene             | Avoid breathing dust.<br>Usual hygienic measures for dental practice.                 |
| 7.3 | Storage                        | Store at 12-28 °C / 54-82 °F.   |
| 7.4 | Place of storage               | Avoid exposure to direct sunlight.  |
| 7.5 | Fire- and explosion-protection | Dust in air may be explosive.   |

## 8 Exposure controls / Personal protection

- |       |                                 |   |
|-------|---------------------------------|---|
| 8.1   | Exposure controls               | Provide adequate local ventilation.   |
| 8.2   | Exposure limit values           | Producer Industry recommends an exposure limit of 10 mg/m3.                     |
| 8.3   | Occupational exposure controls  |   |
| 8.3.1 | Respiratory protection          | Avoid breathing dust.<br>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.   |
| 8.4   | Environmental exposure controls |   |

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## 9 Physical and chemical properties

9.1 Appearance powder

9.2 Colour white

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

9.7 Viscosity

not applicable

9.8 Solubility

Solubility in water

non soluble

9.9 pH

Not applicable.

9.10 Flash point > 250 °C

9.11 Ignition temperature > 400 °C

9.12 Explosion limits

Lower:

Upper:

not determined

9.13 Further information

Part. coeff. n-octanol/water

Evaporat. rate

None.

## 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 Conditions / materials to avoid 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.  
In rare cases can cause an allergic reaction.
- 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.

## 12 Ecological information

- 12.1 Ecotoxicity No data available.
- 12.2 Mobility No data available.
- 12.3 Persistence and degradability No data available.
- 12.4 Bioaccumulative potential No data available.
- 12.5 Further information No ecological problems to be anticipated if properly handled and used.  
nearly insoluble

## 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            | --- | Kemler Number | --- |
| Packing Group        | --- |               |     |
| Proper shipping name | --- |               |     |

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14.2	Transport at sea	ADNR	---	IMDG	---
		UN Number	---		
		EMS	---	MFAG	---
		Packing Group			
		Proper shipping name	---		
		Marine pollutant	---		
14.3	Air transport	ICAO / IATA-DGR	---		
		UN Number	---		
		Proper shipping name	---		
		Subsidiary Risk	---		
		Labels	---		
		Packing Group	---		
	Passenger airplane	Packing Instructions	---		
		max.	---		
	Cargo Airplane	Packing Instructions	---		
		max.	---		
14.4	Further information	Product is not classified as a dangerous good for transport.			

## 15 Regulatory information

The product is a medical device according to the EC-directive 93/42/EEC.

This product is classified as a medical device under US regulations and has been reviewed by the US Food and drug Administration. This product does not require classification as Dangerous Goods.

15.1 UN number ---

15.2 National regulations

15.3 EINECS/ELINCS number ---

15.4 Hazard symbols

15.5 Hazard designation

15.6 Risk phrases

15.7 Safety phrases

15.8 AGW value --- ml/m<sup>3</sup> (ppm)

15.9 BVD classification (CH) ---

15.10 VbF (D)

15.11 Further information None.

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## 16 Other information

No other information.

*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.*

This safety data sheet has been generated with the safety database 'ChemManager'.  
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