

EU Safety Data Sheet

SR Spectra Opaquer Powder
SR Spectra Opaquer Pink Powder



Date of issue / Reference 21.03.2005 hot
Replaces version of 29.01.2001
Date of printing 21.03.2005

Sheet No. 1260

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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 Spectra Opaquer Powder**
SR Spectra Opaquer Pink Powder
- 1.2 Application / Use Crowns- and bridges material - system
- 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 Opaquer Powder of polymethylmethacrylate, copolymer, bariumsulphate, aluminium oxide, zinc oxide, titanium dioxide, catalyst and pigments
Opaquer Pink Powder of polymethylmethacrylate, titanium dioxide, catalyst and pigments
- 2.2 Hazardous components
CAS No. 94-36-0 < 1.5 % Benzoylperoxide
Xi: Irritant. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.
- 2.3 Further information None.

3 Hazards identification

Dust generation. Avoid breathing dust.

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 Carbon dioxide.
Extinguishing powder.
Water fog.

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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 Only adequately trained personnel should handle this product.
Avoid dust build-up.
Keep out of reach of children.

7.2 Industrial hygiene Usual hygienic measures for dental practice.
Avoid breathing dust.
When using, do not eat, drink or smoke.

7.3 Storage Store at 12-28 °C / 54-82 °F.
Store in a dry place.

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 Technical measures Provide adequate local ventilation.

8.2 Control of threshold limits Producer Industry recommends an exposure limit of 1.5 mg/m³.

8.3 Personal protective equipment

8.3.1 Respiratory protection Avoid breathing dust.
In dusty atmospheres, use an approved dust respirator.
Avoid dust formation.

8.3.2 Hand protection Gloves.

8.3.3 Eye protection Safety goggles.

8.3.4 Other Use only with adequate ventilation.

9 Physical and chemical properties

9.1 Appearance powder

9.2 Colour different

9.3 Odour low

9.4 Change of physical state Test method:

9.5 Density 1.2 g/cm³ (20°C)

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9.6 Vapour pressure
not applicable

9.7 Viscosity
not applicable

9.8 Solubility
Solubility in
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
None.

10 Stability and reactivity

10.1 Thermal decomposition
> 250 °C

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

10.3 Hazardous reactions
none known

10.4 Further information
None.

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.
Titanium dioxide: The oral LD50 for rats is > 20'000 mg/kg.

11.2 Subacute / Chronic toxicity
Avoid breathing dust if generated.
May rarely cause an allergic reaction in susceptible people.
No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

11.3 Further information
Dust may irritate eyes.

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 --- Kemler Number ---

Packing Group ---

Proper shipping name ---

14.2 Transport at sea

ADNR --- IMDG ---

UN Number ---

EMS --- MFAG ---

Packing Group ---

Proper shipping name ---

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 for any mode of transportation.

15 Regulatory information

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

This product does not require classification according to the criteria of the EC.

15.1 UN number

15.2 National regulations

15.3 EU number

15.4 Hazard symbols

15.5 Hazard designation

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15.6 Risk phrases
15.7 Safety phrases
15.8 MAK value --- ml/m³ (ppm)
15.9 BVD classification (CH) ---
15.10 VbF (D)
15.11 Further information None.

16 Other information Version: 3
Changes: 2.2 / 13.1

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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