

# EU Safety Data Sheet

Aesthetic Basismaterial Polymer,  
Powder

**CANDULOR AG**

Date of issue / Reference 30.03.2007 lise / Version 5  
Replaces version of 10.01.2007 lise  
Date of printing 30.03.2007 **Sheet No. 1176**

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Company CANDULOR AG, Pünten 4, CH - 8602 Wangen bei Dübendorf  
Switzerland

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## 1 Commercial product name and supplier

- 1.1 Commercial product name / Designation **Aesthetic Basismaterial Polymer, Powder**
- 1.2 Application / Use Denture base material
- 1.3 Producer CANDULOR AG, Pünten 4, CH - 8602 Wangen bei Dübendorf  
Tel. + 41 44 805 90 24
- 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, plasticiser, pigments and catalysts
- 2.2 Hazardous components  
CAS No. 94-36-0 0.5 - 1.5 % Benzoylperoxide  
Xi: Irritant. E: Explosive. R2: Risk of explosion by shock, friction, fire or other sources of ignition. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.
- 2.3 Further information None.
- 

**3 Hazards identification** Dust generation. Avoid breathing dust.

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## 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.  
If respiratory irritation is experienced, call a physician.
- 4.5 Further information
- 

## 5 Fire-fighting measures

- 5.1 Suitable extinguishing media Water fog.  
Extinguishing powder.  
Carbon dioxide.
- 5.2 Extinguishing media to avoid Do not use direct water stream.

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5.3 Further information None.

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**6 Accidental release measures** Clean up mechanically.

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## **7 Handling and storage**

7.1 Handling Only adequately trained personnel should handle this product.  
Avoid dust build-up.

7.2 Industrial hygiene Usual hygienic measures for dental practice.  
Avoid breathing dust.

7.3 Storage Store in a well ventilated, cool, dry area.

7.4 Place of storage Avoid exposure to direct sunlight.  
Store under dry conditions (12-28 °C / 54-82 °F).

7.5 Fire- and explosion-protection

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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.

8.3.2 Hand protection Gloves.

8.3.3 Eye protection Safety goggles.

8.3.4 Other

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## **9 Physical and chemical properties**

9.1 Appearance powder

9.2 Colour white or pink

9.3 Odour none

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

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## 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

None.

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## 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.

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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

In rare cases can cause an allergic reaction.  
No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

### 11.3 Further information

Dust can irritate eyes and respiratory passages.

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## 12 Ecological information

Non soluble in water.  
German 'Wassergefahrdungs Klasse (WGK): not dangerous to water  
No ecological problems to be anticipated if properly handled and used.

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- 13 Disposal considerations** Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.
- 13.1 EU waste key 20 01 39

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## 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 as a dangerous good for transport.

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## 15 Regulatory information

- The product is a medical device according to the EC-directive 93/42/EEC.  
This product does not require classification as Dangerous Goods.
- 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/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** Version: 5  
Changes: 2

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*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.*

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