

Date of issue / Reference	30.03.2007	lise / Version 5	
Replaces version of	11.04.2006	hot	
Date of printing	23.04.2007	Sheet No. 1496	Page 1 of 5

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

1 Commercial product name and supplier

1.1	Commercial product name / Designation	Aesthetic Intensive Opaque
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.
---------------------------------	--

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.

EU Safety Data Sheet

Aesthetic Intensive Opaque

CANDULOR AG

Date of issue / Reference	30.03.2007	lise / Version 5	
Replaces version of	11.04.2006	hot	
Date of printing	23.04.2007	Sheet No. 1496	Page 2 of 5

5.3 Further information None.

6 Accidental release measures Clean up mechanically.

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

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/m³.

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

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:

9.5 Density 1.2 g/cm³ (20°C)

9.6 Vapour pressure
not applicable

9.7 Viscosity
not applicable

Date of issue / Reference	30.03.2007	lise / Version 5	
Replaces version of	11.04.2006	hot	
Date of printing	23.04.2007	Sheet No. 1496	Page 3 of 5

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.

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.

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.

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

Date of issue / Reference	30.03.2007	lise / Version 5	
Replaces version of	11.04.2006	hot	
Date of printing	23.04.2007	Sheet No. 1496	Page 4 of 5

- 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

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.

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

Date of issue / Reference	30.03.2007	lise / Version 5	
Replaces version of	11.04.2006	hot	
Date of printing	23.04.2007	Sheet No. 1496	Page 5 of 5

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: 5
	Changes: 2

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.
