

# EU Safety Data Sheet

Telio Lab Opaquer Powder



Date of issue / Reference	20.07.2010	liprt		
Replaces version of	21.09.2009	liprt / v1		
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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 **Telio Lab Opaquer Powder**

1.2 Application / Use Crowns- and bridges 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  
May cause sensitization by skin contact.

## 3 Composition

3.1 Chemical characterization Powder of methacrylate-copolymer, bariumsulphate, aluminium oxide, zinc oxide, titanium dioxide, catalyst and pigments

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 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 None.

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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.  |

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## 6 Accidental release measures

Clean up mechanically.  
Avoid dust build-up.  
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.<br>Avoid dust build-up.                    |
| 7.2 | Industrial hygiene             | Usual hygienic measures for dental practice.<br>Avoid breathing dust.                                    |
| 7.3 | Storage                        | Store in dry well ventilated area away from sources of ignition and heat.<br>Store at 2-28 °C / 36-82 °F |
| 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   | Exposure controls               | Provide adequate local ventilation.   |
| 8.2   | Exposure limit values           | Producer Industry recommends an exposure limit of 1.5 mg/m <sup>3</sup> .       |
| 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	various	
9.3 Odour	low	
9.4 Change of physical state		Test method:
	---	
9.5 Density		
	Not determined.	
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  
Copolymer: 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.  
In rare cases can cause an allergic reaction.
- 11.3 Further information  
Dust may irritate eyes.

## 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  
German 'Wassergefahrdungs Klasse (WGK): not dangerous to water

## 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 | --- |      |     |
| Marine pollutant     | --- |      |     |

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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 and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada.

15.1	UN number	---
15.2	National regulations	
15.3	EINECS/ELINCS number	---
15.4	Hazard symbols	<b>Xi</b> 
15.5	Hazard designation	Xi: Irritant. Contains Benzoylperoxide.
15.6	Risk phrases	<b>R: 43</b> 43 May cause sensitisation by skin contact.
15.7	Safety phrases	<b>S: 24-37</b> 24 Avoid contact with skin. 37 Wear suitable gloves.
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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