

EU Safety Data Sheet

Telio Lab Powder
Dentin, Transpa Incisal, Neck,



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Company	Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan Fürstentum Liechtenstein
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1 Commercial product name and supplier

- | | | |
|-----|---------------------------------------|--|
| 1.1 | Commercial product name / Designation | Telio Lab Powder
Dentin, Transpa Incisal, Neck, Intensive,
Bleach, Gingiva |
| 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 polymethylmethacrylate, pigments and catalysts |
| 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. |

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4.5 Further information None.

5 Fire-fighting measures

5.1 Suitable extinguishing media Water fog, carbon dioxide, foam

5.2 Extinguishing media to avoid Do not use direct water stream.

5.3 Further information None.

6 Accidental release measures

Clean up mechanically.
Avoid dust build-up.
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.

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

7.3 Storage Store at 2-28 °C / 36-82 °F
Store in dry well ventilated area away from sources of ignition and heat.

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.
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 Not relevant.

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9 Physical and chemical properties

9.1	Appearance	powder	
9.2	Colour	off-white to cream - yellowish	
9.3	Odour	low	
9.4	Change of physical state		Test method:

9.5	Density	1.2 g/cm ³ (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 determined.	
9.10	Flash point		
		Not determined	
9.11	Ignition temperature		
		304 °C	
		not determined	
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.

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 'Wassergefaehrungs 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

Xi



15.5 Hazard designation

Xi: Irritant. Contains Benzoylperoxide.

15.6 Risk phrases

R: 43

43

May cause sensitisation by skin contact.

15.7 Safety phrases

S: 24-37

24

Avoid contact with skin.

37

Wear suitable gloves.

15.8 AGW value

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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