

EU Safety Data Sheet

Telio Stains



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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 Stains**

1.2 Application / Use Light-curing characterization 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

Uncured material: Direct contact can cause eye and skin irritation.
May cause sensitization by skin contact.

3 Composition

3.1 Chemical characterization Paste of dimethacrylates, inorganic fillers, initiators, stabilizers and pigments

3.2 Hazardous components

CAS No. 1565-94-2	< 38 % Bis-GMA Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin.
CAS No. 109-16-0	< 18 % Triethylene glycoldimethacrylate Xi: Irritant. R43: May cause sensitisation by skin contact. R36/37/38: Irritating to eyes, respiratory system and skin.
CAS No. 72869-86-4	< 33 % Urethane dimethacrylate EINECS/ELINCS No.: 276-957-5 Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin. 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 No hazards anticipated from swallowing small amounts incidentally

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to normal handling.

4.4 Inhalation Remove to fresh air.

4.5 Further information None.

5 Fire-fighting measures

5.1 Suitable extinguishing media Water fog, carbon dioxide, foam, dry chemicals.

5.2 Extinguishing media to avoid None known

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.

7.2 Industrial hygiene Usual hygienic measures for dental practice.

7.3 Storage Store at 2-28 °C / 36-82 °F

7.4 Place of storage Avoid exposure to light.

7.5 Fire- and explosion-protection Not required.

8 Exposure controls / Personal protection

8.1 Exposure controls Good general ventilation should be sufficient.

8.2 Exposure limit values None established.

8.3 Occupational exposure controls

8.3.1 Respiratory protection Not required.

8.3.2 Hand protection
Gloves.
Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates.
Check penetration time for the specific gloves used with the glove manufacturer.

8.3.3 Eye protection Safety goggles.

8.3.4 Other None.

8.4 Environmental exposure controls Not relevant.

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9 Physical and chemical properties

9.1 Appearance	Paste	
9.2 Colour	various	
9.3 Odour	practically odourless	
9.4 Change of physical state		Test method:

9.5 Density		
	Not determined.	
9.6 Vapour pressure		
	not applicable	
9.7 Viscosity		
	not determined	
9.8 Solubility		
Solubility in water	< 0.1 %	
9.9 pH		
	Not determined.	
9.10 Flash point	> 150 °C	
9.11 Ignition temperature		
	not determined	
9.12 Explosion limits		
	Lower:	
	Upper:	
	not applicable	
9.13 Further information		
Part. coeff. n-octanol/water		
Evaporat. rate		
	None.	

10 Stability and reactivity

10.1 Thermal decomposition	None, if used in accordance to instructions.
10.2 Hazardous decomposition products	None under normal conditions of storage and use.
10.3 Conditions / materials to avoid	None.
10.4 Further information	Avoid exposure of product to light.

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11 Toxicological information

- 11.1 Acute toxicity Oral LD50 for rats: >5000 mg/kg
- 11.2 Subacute / Chronic toxicity Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions.
- 11.3 Further information No hazards anticipated from swallowing small amounts incidentally to normal handling.

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

13 Disposal considerations

- Take to 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	---
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15.4	Hazard symbols	Xi 
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15.5	Hazard designation	
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15.6	Risk phrases	R: 43-36/38
	43	May cause sensitisation by skin contact.
	36/38	Irritating to eyes and skin.

15.7	Safety phrases	S: 24-28-37
	24	Avoid contact with skin.
	28	After contact with skin, wash immediately with plenty of water.
	37	Wear suitable gloves.

15.8	AGW value	--- ml/m ³ (ppm)
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15.9	BVD classification (CH)	---
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15.10	VbF (D)	
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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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